LIFE



AIR POWER

DECEMBER 1, 1941 10 CENTS

YEARLY SUBSCRIPTION $4.50

REG. U. S. PAT. OFF.



You Bet there's National Unity in the Gift We Want *This* Christmas



PARKER DESK-PEN SETS with Patented SEALOMATIC Socket make all Parker Desk-Pens Split-second Starters, $5 to $132.50. Illustrated, IC—Green Onyx with new Parker "51" Desk-Pen, at price of pen alone, $12.50.

Parker—the Jewels of Pendom

for the busy writing days ahead—busy with Defense work, Business, and Training, with School work, and Family Affairs

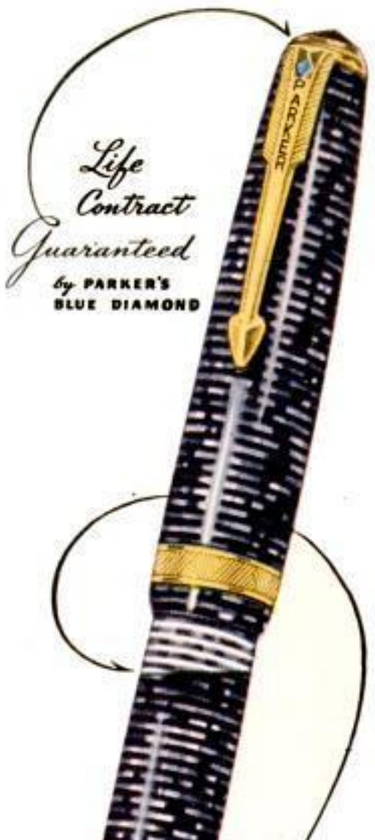
Yes, just about everyone wants a Fountain Pen or Set *this* Christmas. And more than a dozen separate, independent pen surveys leave no doubt that people prefer the PARKER. Here's why:

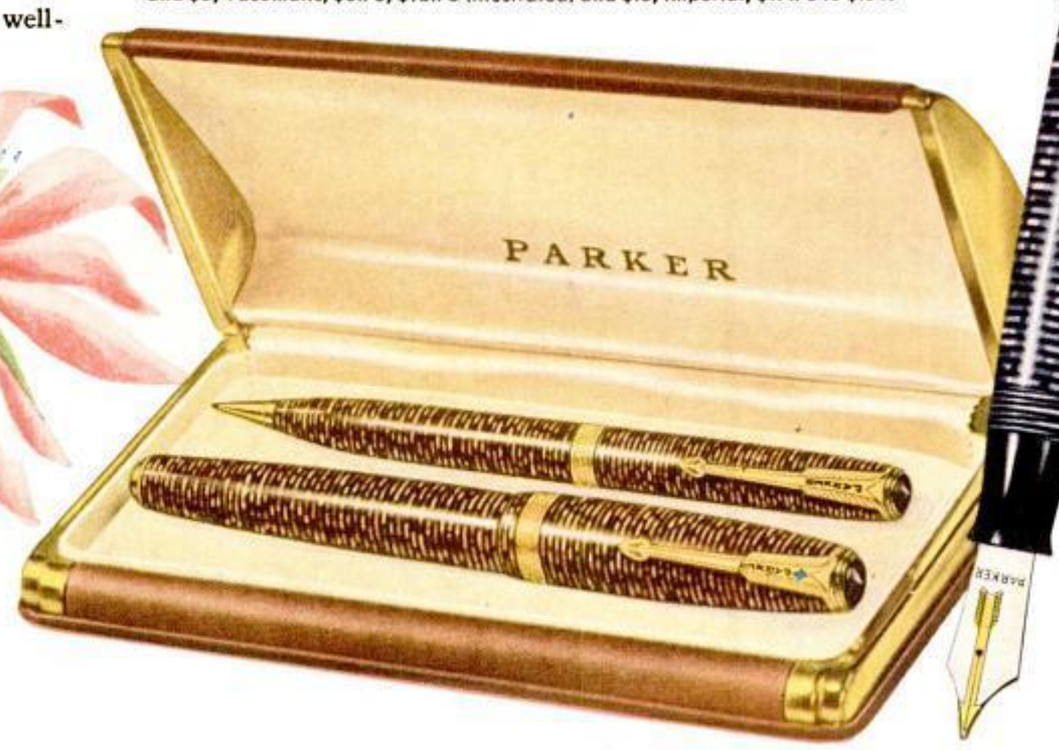
1. ***Lubricated Writing*** with an oil-smooth Point developed by Parker's chief metallurgist, Dr. Robert Pickus, formerly instructor of metallurgy on the faculty of Yale University—a non-brittle 14K Gold Point tipped with oil-smooth Osmiridium *that won't wear scratchy in a lifetime.*
2. ***One-Hand Super-charging Filler*** — Sacless — makes room for a third more ink than the average of 3 well-known, sac-type pens.
3. ***Patented Television Pen barrel*** — lets you SEE when to refill.
4. ***Smart Streamlined Pen and Pencil*** — eliminates unbalanced bulk.
5. ***Original Style*** of shimmering Pearl and Jet RINGS.
6. ***Swank Military Clip*** — holds pen low and UNEXPOSED. Trimmest for uniforms and civilian clothes.
7. ***Pens Guaranteed by Life Contract*** ◆

Every one of these seven features is a vital reason to ask for the *Parker* by *NAME*. Due to heavy demand, you may not see it otherwise. If you want friends to write you — give the Jewels of Pendom. *Don't forget their Parkers and they won't forget you!* COPR. 1941, THE PARKER PEN CO.

The Parker Pen Company, New York, Chicago, San Francisco. Factories: Janesville, Wisconsin and Toronto, Canada.

Matched Sets in Rich Presentation Cases—Pen and Pencil, some styles with 14K Gold, others with Gold-filled Caps and mountings—Parker Duofold Sets, $3.95 and $5; Vacumatic, $8.75, $12.75 (illustrated) and $15; Imperial, $17.75 to $150.





Full TELEVISION ink supply

Parker

VACUMATIC

PENS . . . PENCILS . . . SETS

Guaranteed by Life Contract

◆ Parker's Blue Diamond on the Pen is our Contract unconditionally Guaranteeing service for the owner's Life, without cost other than 35¢ charge for postage, insurance and handling, if pen is not intentionally damaged and is returned complete.

Vacumatic Pens,
$5, $8.75 (illustrated), and $10
Duofold Pens,
$2.95, $3.95
Imperial,
$13.75 to $100

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IT'S A CHANGED CAR PICTURE FOR 1942—

WHICH KIND OF BUYER ARE YOU?

Buyer No. 1 — "I've never owned a new car before. This year I can afford my first one in the low-price field!"

Buyer No. 2 — "I've always owned low-priced cars, and will again. But this year I'm buying more carefully than ever."

Buyer No. 3 — "I intend to pay less for my next new car and buy in the low-price field!"



EVERY KIND OF 1942 BUYER WANTS GREATER VALUE FOR HIS MONEY. THE NEW PLYMOUTH GIVES YOU ALL THIS:

OF ALL low-priced cars, this year's Plymouth brings you the most *advanced* engineering... the finest quality! Power has been increased 10% to 95 H.P. (most power of "All Three" low-priced cars), and you get new economy.

In fact, on the basis of manufacturers' own specifications, this new Plymouth is the *low-priced car most like high-priced cars!*

You enjoy new riding comfort—the result of advancements in frame and body design. The frame is sturdier...the body is long, low and wide, providing new stability and smoothness.

Value is up on *all* counts in this new Plymouth! You get the new double-depth bumper with built-in Airscoop Cooling. Wide, new running boards, completely concealed, are *level* with the floor.

Dealers offer time payments. All prices and specifications subject to change without notice. Plymouth Division of Chrysler Corporation.

TUNE IN MAJOR BOWES, THURSDAYS, 9 TO 10 P.M., C.B.S. NETWORK.

PRODUCTS OF CHRYSLER CORPORATION



Army Tanks • Anti-Aircraft Cannons • Army Trucks, Cars and Ambulances • Shells and Projectiles • Aircraft Parts and Assemblies • Defense Engineering • Marine and Industrial Engines • Diesel Engines • Oilite Bearings • Airtemp Heating and Air Conditioning • Passenger Cars and Trucks.

PLYMOUTH

The Low-Priced Car Most Like High-Priced Cars

This One
T226-Q03-94TU

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All men still hope there's a real Santa Claus!



A Great Value
$10.50
Stormwind by Alligator . . . exceedingly smart and meticulously tailored. A sure-fire gift. Also in knee length model.

. . . prove that there is! (You be it!)
GIVE HIM AN
ALLIGATOR Raincoat

Men act pleased and say "thank you" for the usual Christmas knicknacks. But they still hope that some Christmas, someone will care enough to come through with a *real* gift . . . like an Alligator Raincoat. Why not get an Alligator for the man in your life? Your dealer will help you choose the right model. Be sure to look for the Alligator label, "The best name in rainwear." The Alligator Company, St. Louis, New York, Los Angeles.

$5.75 to $29.50
At Better Dealers Everywhere

(Right) This is the genuine Alligator waterproof worn by American Airlines Captains and Officers. Fabric stays soft and pliant—doesn't crack or deteriorate. $7.50.



(Left) The famous "Gold Label" all-weather coat. Impeccably styled, perfectly tailored. Water repellent, $29.50. Weatherstyle Cloth, $25.00. Surain Cloth, $20.50.

ALLIGATOR
Raincoats · Galecoats · Sportswear
because . . . IT'S SURE TO RAIN!

LETTERS TO THE EDITORS

The American Heritage

Sirs:

While I think that the general average of material in the magazine is very high, occasionally you hit "tops." I think that this was the case in your Nov. 10 issue, in which appeared "The American Heritage."

A. J. STODDARD
Superintendent of Schools
Philadelphia, Pa.

Sirs:

. . . Can you reprint about 500 copies of The American Heritage that we may distribute to the members of our Liberty Post No. 22 and commanders of other posts?

MARTIN ROSENBLATT
Editor
The *Liberty Post*
New York, N. Y.

● A 20-page reprint of The American Heritage, comprising both the material published in LIFE and additional pictures and text, is now in preparation. It is available to LIFE readers at cost—5¢ per copy or $4 per 100 copies. —ED.

Cheerleaders

Sirs:

Manitowoc (Wis.) High School does not envy Whiting (Ind.) High School its trio of jitterbug cheerleaders (LIFE, Nov. 10).

The boys in the picture (*see cut*) form a trio of acrobats who this summer turned down a contract with Ringling Brothers in order to keep on with their education.

In addition to the act shown here, the boys go through a series of acrobatic



ACROBAT-CHEER TRIO

stunts and tricks. Their cheerleading has been complicated a bit by the fact that the boy on bottom, Dick Franken, made the football team. However, Dick devotes the bench-warming period to cheerleading. When he is on the field the other two of the trio, Dennis Edwards and Billy Schultz, carry on without him.

SYDNEY HERMAN
Manitowoc, Wis.

Hypnosis

Sirs:

Francis Sill Wickware's article on Andrew Salter and hypnotism (LIFE, Nov. 10) falls into the inevitable rut of discussions on this subject, emphasizing the sensational surface aspects.

Reference to the traditional burning stare, the familiar cure-all line, the profound first trance of the beautiful blonde, the fear of extended uncontrollable trances (induced by a radio broadcast)—all these smack of the traditional vaudeville approach.

Actually, hypnosis as a subject is quite undeserving of all this hocus-pocus. It is as natural a phenomenon as sleep. We are all hypnotized time and again by great speakers, by great music, by summer heat, by plays, by our jobs, by fear and any number of everyday

(continued on p. 4)



Check off your Christmas List with
PENDLETON
VIRGIN WOOL
SHIRTS



Duck Hunting—Sun Valley

Here's your gift package that's opened in a hurry . . . a Pendleton Virgin Wool Shirt

Just the feel of a Pendleton brings back to the sportsman memories of happy days in the field—along a stream—makes him want to get out in the great outdoors. College men, too, like their casual comfort—wear them for campus and classes.

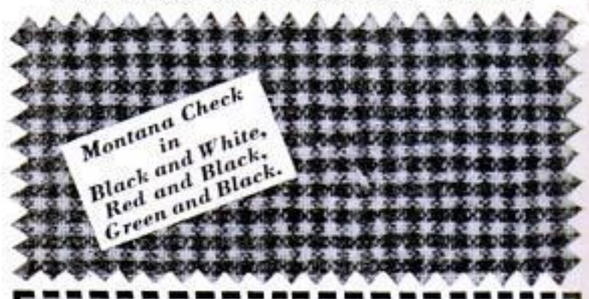
Whatever the outdoor occasion—from Palm Springs to Sun Valley, you'll find Pendleton Shirts the choice of men who want the best.

Select your Pendleton at your favorite store—gabardines or flannels, solid colors, checks, plaids. *$5 to $9*

Illustrated below: On figure, a Pendleton Gabardine. *Displayed:* Popular Oregon Plaid.



PENDLETON
America's Outdoor Shirt



Pendleton Woolen Mills, Portland, Oregon.
Please send *Free:*
☐ Samples of Pendleton fabrics.
☐ Illustrated catalog—price list.
☐ Name of nearest Pendleton dealer.

Name.....
Address.....L-D141

LIFE is published weekly by TIME Inc., 330 East 22nd Street, Chicago, Ill. Printed in U. S. A. Entered as second-class matter November 16, 1936 at the Postoffice at Chicago, Ill. under the act of March 3, 1879. Authorized by Post Office Department, Ottawa, Canada, as second-class matter. Subscriptions $4.50 a year in U. S. A.; Canada, $5.50. Volume 11 Number 22

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What to do when you feel a COLD coming on

WHEN you start to sniffle . . . when you feel a chill . . . or get a dry, rasping irritation in your throat, it's time to act—and act fast! *A cold may be getting you in its grip.* What can you do to ward it off?

Unfortunately, in spite of all the time and money spent on studying the condition, there is no known positive specific. Certainly, we would not classify Listerine Antiseptic as one. Yet tests made during ten years of intensive research have convinced us that this safe, pleasant-tasting germicide often has a very marked effect.

Over and over again these tests have shown that those who gargled Listerine Antiseptic twice daily had *fewer colds, milder colds, and colds of shorter duration than those who did not.*

Kills Germs Associated with Colds

The reason for this success, we believe, must be that Listerine Antiseptic kills vast numbers of germs on mouth and throat surfaces . . . so called "secondary invaders" which, according to many authorities, are largely responsible for the distressing manifestations of a cold. Listerine Antiseptic kills these germs by the millions, before they can invade the delicate membrane and aggravate infection.

Tests Showed Outstanding Germ Reductions on Tissue Surfaces

Clinical "bacteria counts" showed germ reductions on mouth and throat surfaces ranging to 96.7% even 15 minutes after gargling with Listerine Antiseptic . . . up to 80% an hour after the gargle.

Isn't it sensible, then, to use Listerine Antiseptic promptly and often to help combat a sore throat and keep a cold from becoming troublesome?

We do not pretend to say that Listerine Antiseptic so used will *always* head off a cold or reduce its severity once started. But we do say that it has had such a fine record in so many test cases that it is entitled to consideration as a reputable first aid.

Get the habit of gargling with full strength Listerine Antiseptic morning and night; and if you feel a cold coming on, increase the frequency of the gargle and call your physician.

LAMBERT PHARMACAL COMPANY, *St. Louis, Mo.*

LISTERINE
for COLDS and SORE THROAT



1 Go to bed at once, take a mild laxative if your doctor advises it. Drink plenty of water and fruit juices. Eat lightly.



2 Gargle with Listerine Antiseptic, full strength, every three hours. Listerine kills millions of germs on mouth and throat surfaces before they can invade the delicate membrane and aggravate infection.

NOTE HOW LISTERINE GARGLE REDUCED GERMS



BEFORE

The two drawings illustrate height of range in germ reductions on mouth and throat surfaces in test cases before and after gargling Listerine Antiseptic. Fifteen minutes after gargling, germ reductions up to 96.7% were noted; and even one hour after, germ reductions were still reduced as much as 80%.



AFTER



3 At night, take a hot bath, or at least a hot foot bath, before getting into bed. Cover up with plenty of extra blankets to "sweat the cold out of your system."



4 Don't blow your nose too hard. It may spread infection to other parts of the head. Sterilize used handkerchiefs by boiling. Paper napkins should be burned.



EVERY MOTHER SHOULD HAVE A
LISTERINE THROAT LIGHT
GENUINE DU PONT "LUCITE" ILLUMINATOR
ONLY 75¢
Batteries Included

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A Mile of Bikes

AT UNIVERSITY OF WISCONSIN . . . 900 RIDERS, AND 83% WITH NEW DEPARTURE BRAKES



Two Wisconsin bike enthusiasts on the campus last spring. Popular Barbara Mackey ('42) is President of Elizabeth Waters Hall, a member of Alpha Chi Omega, the Memorial Union Council and Secretary of the Student Board. "Bud" Reynolds ('42) is President of Beta Theta Pi, Chairman of the Preprom Ball, a member of the Student Board and a civilian airplane pilot (C.A.A.). The bicycle brakes are "by New Departure."



HERE'S HOW NEW DEPARTURE TOPS THE FIELD AT OTHER COLLEGES THROUGHOUT THE COUNTRY

	% New Departure	% All Others
Amherst	76	24
Chicago	82	18
Columbia	66	34
Fordham	87	13
Harvard	71	29
Illinois	75	25
Indiana	90	10
Iowa	92	8
Michigan	77	23
Michigan State	94	6
Minnesota	70	30
Missouri	84	16
Nebraska	65	35
Notre Dame	62	38
Oberlin	54	46
Ohio State	70	30
Pennsylvania	84	16
Pennsylvania State	88	12
Princeton	60	40
Purdue	82	18
Rutgers	80	20
Texas Christian	77	23
Tulane	58	42
Vassar	85	15
William & Mary	63	37
Williams	60	40
Yale	85	15

● That's the way the college crowd "goes for" bicycling these days . . . and for New Departure Coaster Brakes. Among thousands of college bicyclists on campuses from Coast to Coast, independent surveys show New Departure "tops" by a wide margin.

And this is only natural, for New Departure is today—as it has been for years—the world's lightest and strongest bicycle brake.

So, look for the name "New Departure" on the hubs of the bicycle you buy or rent. It is your assurance of smooth, trouble-free service.



LETTERS TO THE EDITORS
(continued)

things. The seemingly extreme suggestibility of the hypnotic trance is simply the same suggestibility we gullible creatures carry with us all the time. The only difference is that in the trance the selective function of the conscious mind is absent.

Mr. Salter's idea of teaching subjects autohypnosis is neither new nor original. His bland statements about "curing" stuttering, overweight women, excessive drinking and smoking, tics, and altering personality raise the ghosts of Mesmer and Coué.

To psychologists who know their business, all of the above are symptoms of deeper psychological maladjustments.

It is true that with hypnosis these symptoms may be banished, but the psychological difficulty will remain and may break out in a more serious form elsewhere. This is the greatest limitation on the therapeutic use of hypnosis. It is effectively applied in psychology not as a cure but as a bridge to the subconscious mind to locate causes of maladjustments and phobias for other types of therapy.

ROBERT BOLLARD

Bronxville, N. Y.

Lightner Graduates

Sirs:

In LIFE, Oct. 13, was the story of Aviation Cadet Larry Lightner and of Cal-Aero, the civilian-owned pilot training school of the West Coast Air Corps Training Center where Lightner received his elementary instruction. Since that date, Lightner and 1,500 other U. S. youths have completed their cadet training and have received the coveted silver wings that distinguish them as commissioned pilots in the reserve officer corps of the U. S. Army Air Forces.



LIGHTNER IS COMMISSIONED

Picture herewith completes your story, showing Lightner in the act of receiving his commission from Colonel George A. Walton, Stockton Field's commanding officer. Lieutenant Lightner is now on duty as instructor at Stockton Field.

FRANCIS C. HEALEY
Second Lieutenant Air Corps

Moffett Field, Calif.

Destroyers vs. Subs

Sirs:

In your article covering the torpedoing of U. S. warships (LIFE, Nov. 10), you state: "The Navy Department sticks steadfastly to its World War I policy of silence on submarine sinkings."

Just exactly what submarine sinkings by the U. S. Navy are you referring to? I recall that the U. S. destroyers *Nicholson* and *Fanning* sank the German submarine *U-58* which brazenly attacked a convoy that these destroyers were escorting. In similar action later on during the last World War, U. S. destroyers sank another German submarine. Total official score on the books: two submarines. And neither one was kept secret.

On the other side of the ledger in the last war, German U-boats sank three U. S. warships.

H.GASKELL

Vancouver, B. C.

(continued on p. 6)

HOME-MADE CANDIES MAKE A MIGHTY SWEET GIFT! TRY MY WAY OF MAKING 'EM —IT'S A CINCH!



"FOLKS," said Elsie, the Borden Cow, "will *love* these candies all done up in Christmas wrappin's. You can make at least *seven* different kinds from the recipe below! The *new half-size, half-price can* of Borden's Eagle Brand Condensed Milk makes a whole pound and a quarter!"

MAGIC QUICK FONDANT

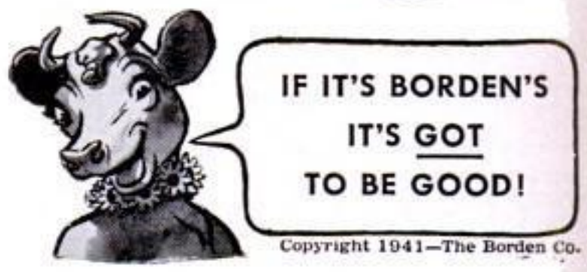
⅔ cup (small-size can) Eagle Brand Sweetened Condensed Milk
1 teaspoon vanilla
4 cups sifted confectioners (4x) sugar (about)

Blend Eagle Brand Sweetened Condensed Milk and vanilla. Add confectioners sugar gradually and continue mixing until smooth and creamy. Makes about 1¼ pounds.

● FONDANT VARIATIONS: Use fondant plain between halved nut meats or as a stuffing for dates. Or form into small balls and roll in chopped nut meats, shredded coconut, grated chocolate, chopped candied fruits. Or flavor variously and form into round, flat creams.

★★ Borden's Eagle Brand comes in two sizes. The new *half-size, half-price can* and the large can. A Magic Recipe Leaflet on each can. Look for the famous Eagle Brand *ice cream recipes!*





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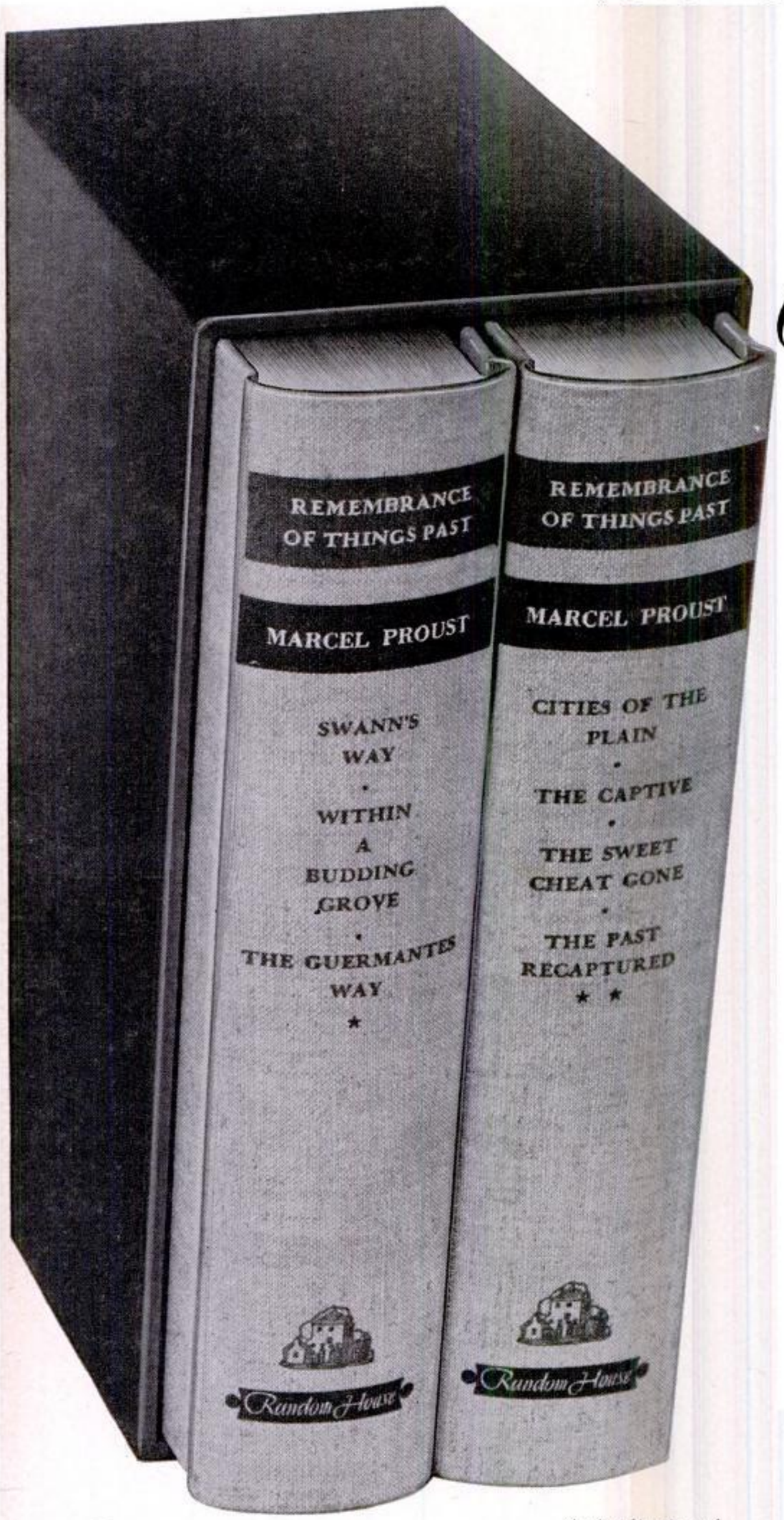
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Now being given

TO NEW MEMBERS

OF THE BOOK-OF-THE-MONTH CLUB

this latest Book-Dividend



The Complete Novels of *Marcel Proust*

RETAIL PRICE $5.00—ORIGINALLY IN 4 VOLS. AT $12.50

THIS gift—to new members of the Club—is being made as an example of the benefits of subscription. Proust's masterpiece is one that certainly every good reader has promised himself to read—"some time". When it is among the treasured books on your library shelves, *available* to be read just when you have the inclination and leisure, you will carry out this self-promise soon or late . . . This two-volume masterpiece is the latest "book-dividend" to be distributed by the Club among its members. Over $5,000,000 worth of such books (retail value) will have been distributed to members, in 1941 alone. What are "book-dividends"? Simply books members earn by reason of their own purchases. Members are never under compulsion to buy any of the Club's selections. But every month so many do—the Club's selections are new books you almost always find yourself buying anyway—that an enormous edition can be printed. With the resultant savings on manufacture the Club buys the right to print *other* fine library volumes—such as the edition offered here—and these are then distributed, as free copies, among the Club's members—in accordance with the simple system described below.

WHAT A SUBSCRIPTION INVOLVES:

Over 450,000 families—thus at the very least, over a million discriminating book-readers—now belong to the Book-of-the-Month Club. They do so, in order to keep themselves from missing the new books they are really interested in.

As a Club member, you receive an advance publication report about the judges' choice—and also reports about all other important coming books. If you decide you want the book-of-the-month, you let it come. If not (on a blank always provided) you can specify some other book you may want, or simply say: "Send me nothing."

Your obligation as a member is simple. You pay no yearly fee. You merely agree to buy no fewer than four books-of-the-month in any twelve-month period. You can end your subscription at any time after taking four books-of-the-month. You pay for the books as you receive them — the regular retail price (frequently less) plus 10¢ to cover postage and other mailing charges.

For every two books-of-the-month you buy you receive, free, one of the Club's book-dividends.

BOOK-OF-THE-MONTH CLUB, 385 Madison Ave., New York A2212

Please enroll me as a member. I am to receive a free copy of the two-volume edition of REMEMBRANCE OF THINGS PAST, and for every two books-of-the-month I purchase from the Club, I am to receive free, the current book-dividend then being distributed. I agree to purchase at least four books-of-the-month a year from the Club but may cancel my subscription any time after purchasing four such books from the Club.

Name.....

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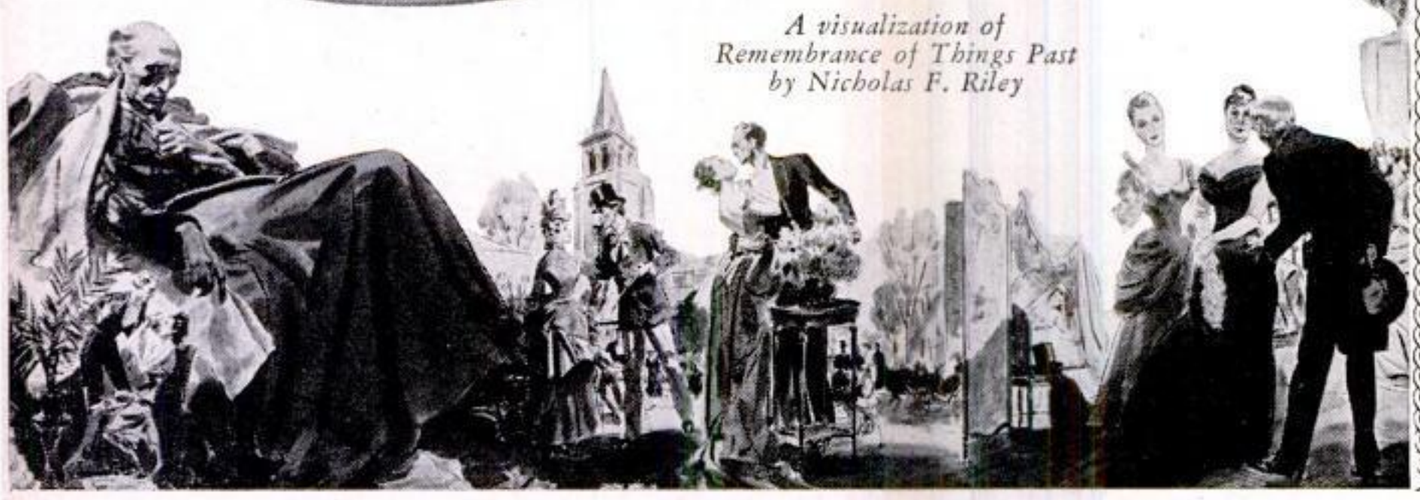
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Books shipped to Canadian members, DUTY PAID, through Book-of-the-Month Club, (Canada) Ltd.

A visualization of Remembrance of Things Past by Nicholas F. Riley

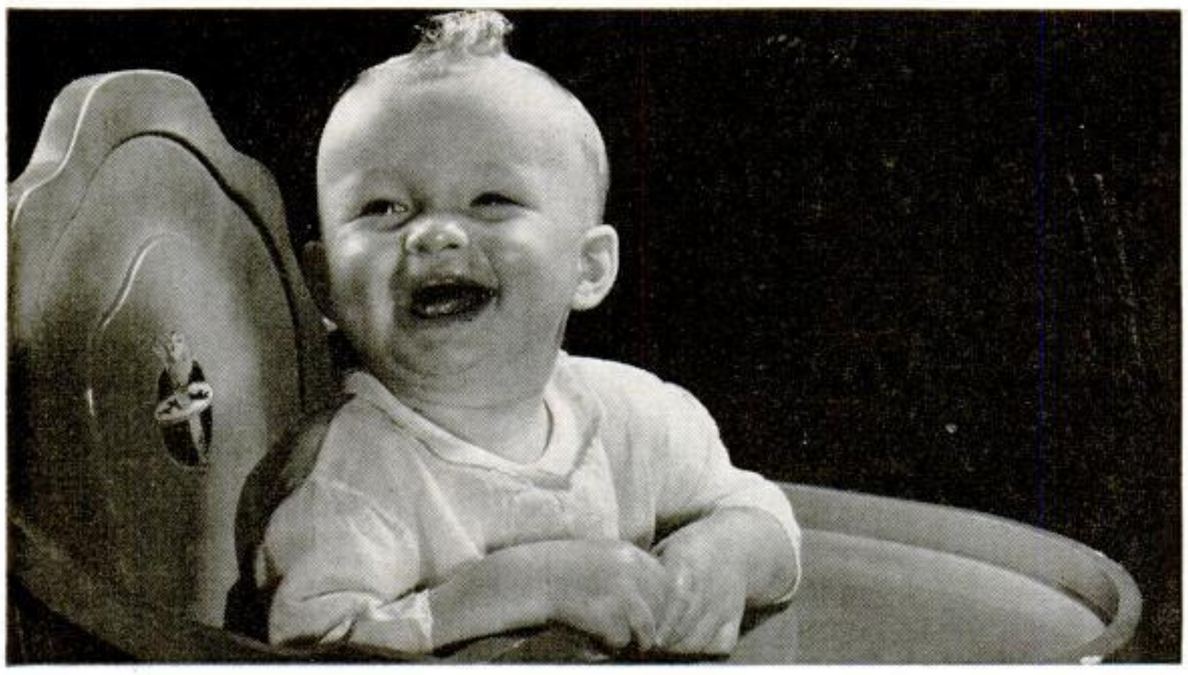


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Now it's easy to take indoor pictures!



1. Now you can take indoor pictures *any time* with sensationally fast Agfa Superpan Press Film. News photographers consider it the fastest film on the market! It makes night pictures and indoor shots e-a-s-y . . . *and there's a size to fit your camera!*



2. You can get excellent posed or candid shots of your friends and family with Superpan Press Film, plus flash or flood lamps. There's a whole world of fun waiting for you...and remember: *only* Agfa guarantees "Pictures that satisfy or a new roll free!"



3. It's easy! You can use your own bridge or table lamps—and you can get reflectors from your Agfa Ansco dealer. Make photography your year-round hobby: use Agfa Superpan Press to make it a successful hobby. ***Agfa Ansco, Binghamton, N. Y.***



Agfa Ansco Film

Agfa MADE IN U.S.A.

LETTERS TO THE EDITORS

(continued)

● Reader Gaskell's bearishness, but not his statistic, is correct. Out of 72 German submarines sunk after the U. S. entered World War I the U. S. Navy sank one—the *U-58*—all by itself, contributed to the sinking of four others.—ED.

Texas Football

Sirs:

We would like to know the cost to Texas University of the eight-page advertisement in the Nov. 17 issue.

C BATTERY, COAST ARTILLERY
Texas A. & M. College
College Station, Texas

● Cost to Texas University was evidently the short end of the 14–7 score in game with T. C. U. See below.—ED.

Sirs:

I assume that LIFE's Editors do not need this word of warning to stay out of Texas until time has healed the grievous wound of the weekend of Nov. 16. To the Texas University fans in Texas and elsewhere who suffered through the disastrous 14–7 licking by Texas Christian, it is clear that your 14-man cover and eight-page essay on the Texas U. team was the authentic crack of doom.

Here is a poetic reminder for next season to be pinned on your sports editor's bulletin board. It appeared, signed by T. C. [Sportswriter Tim Cohane], in the New York *World-Telegram*, Nov. 17, with the rhyming headline:

HOW TO MAKE THE TOP TEAM SAG;
WRITE 'EM UP IN A NATIONAL MAG

"It wasn't so much the other team
That ruined our undefeated dream,
Said sorrowing Coach Malone.

"But a guy from a national magazine
Obtained permission from me and the dean.
(I'll admit 't was an awful bone!)

"He brought a photographer along,
Who went right into his dance and song,
Took pictures of all my stars.

"He showed them eating and playing games,
And promenading with wives and dames,
Like so many Men from Mars.

"'The Mightiest Team in All the Land,'
Their faces displayed on each newsstand
Throughout the whole U. S. A.

"And everybody was quite impressed
That our young men were the very best,
And then came last Saturday.

"The other team came out on the field
And absolutely refused to yield,
Were toughies beyond description.

"Yes, life with us had been quite serene
Before we were spread by that magazine,
To which we've canceled subscription!"

JAMES McFINN
Brooklyn, N. Y.

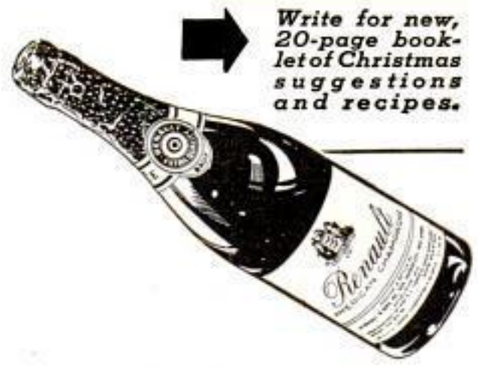
● LIFE's football forecaster, Dick Dunkel, at the start of the 1941 football season, picked Texas University No. 1 in the nation (LIFE, Oct. 6). In its first six games Texas defeated every team it played by at least four touchdowns, caused (among others) Grantland Rice, the Associated Press, Bob Considine, LIFE's Sports Department to call it top team in the U. S. Day that LIFE's football essay went to press (Nov. 8) Texas was tied by thrice-defeated Baylor, 7–7. Day after the issue appeared on newsstands (Nov. 15) mighty Texas was beaten in last ten seconds of play by thrice-defeated T. C. U., 14–7. Sorry!—ED.

(continued on p. 8)

FOR CHRISTMAS GIVING...

NOTHING BUT THE BEST

Write for new, 20-page booklet of Christmas suggestions and recipes.



RENAULT

American

CHAMPAGNE

Naturally fermented in the bottle. Also a complete line of American Sparkling Wines, Still Wines, Vermouths.

L. N. RENAULT & SONS, INC., EGG HARBOR CITY, N. J.

Since 1870

Born in DECEMBER ?

Your birthstone is the turquoise. It protects you from danger! Your birthday gift should be a Hamilton. It protects you from lateness! It's the watch of *railroad* accuracy.

Hamilton's experience building watches for railroad men insures greatest possible accuracy in every size and grade that Hamilton makes. See new models at your jeweler's.

P. S.—*For FREE booklet of interesting facts about your birth month, write the Hamilton Watch Company, 1122 Columbia Ave., Lancaster, Pa.*

* * *

WILSHIRE. (*left*) 19 jewels. 14K coral or natural gold filled. 18K applied gold numeral dial.....$60.50
LINDA. (*right*) 17 jewels. 14K white or natural gold. Black numeral dial with applied gold dots.....$60.50

All prices include Federal Defense Tax

MADE IN U.S.A.

HAMILTON
The Watch of Railroad Accuracy



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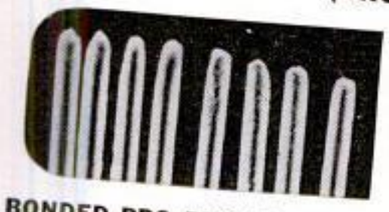
THE *ONLY* TOOTH BRUSH IN THE WORLD WITH

"Round-End" Bristles!



MAGNIFIED! ...SEE THE DIFFERENCE!

(BRUSHES BOUGHT ON OPEN MARKET)



BONDED PRO-PHY-LAC-TIC—50¢. Look at these smoothed, gentle bristle tips! This *one brush is the only brush in the world with rounded bristle-ends!* Made with Prolon, a heavier texture du Pont Nylon; OR with *Natural* bristle.



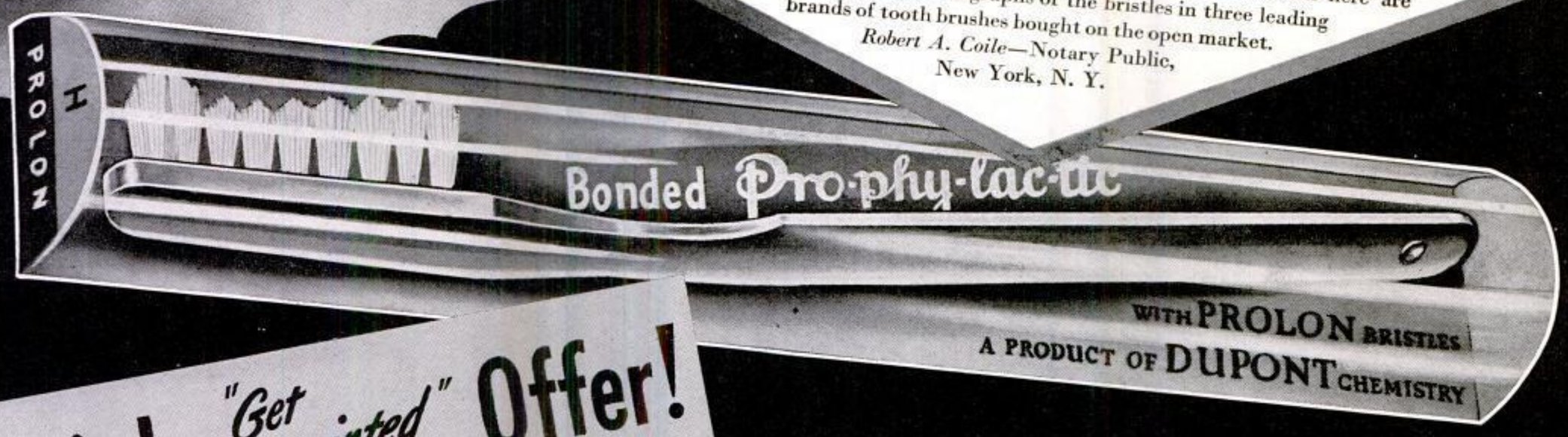
BRAND "A"—50¢ BRUSH. Harsh, jagged points! Want them on *your* gums? And don't forget, neither Brand A nor B has Pro-phy-lac-tic's *famous end-tuft for cleaning hard-to-reach back teeth.*



BRAND "B"—50¢ BRUSH. Again, rough, pointed bristle-ends! Of all tooth brushes—in all price classes—only the 50¢ Bonded Pro-phy-lac-tic has gentle "Round-End" bristle.

SWORN TO AND NOTARIZED! I certify that Margaret Oschman of the Medical Photo Service, New York, has sworn to me that the illustrations shown here are un-retouched photomicrographs of the bristles in three leading brands of tooth brushes bought on the open market.

Robert A. Coile—Notary Public,
New York, N. Y.



Special "Get Acquainted" Offer!

New BONDED 50¢ BRUSH
Giant 4½ OZ. TOOTH POWDER



BOTH FOR 47¢

WHILE THEY LAST!

● **6 MONTHS MONEY-BACK GUARANTEE!** The Bonded Pro-phy-lac-tic offers you a choice of Prolon bristle (a heavier texture du Pont Nylon) OR tempered *Natural* bristle. BOTH bristle-types carry a money-back guarantee for 6 months.

No strings of any sort. No "ifs" or "buts." If you are not satisfied, in every way, return *us* the brush. We'll return *you* a new brush or your money, whichever you prefer. That's how sure we are you'll like the Bonded Pro-phy-lac-tic! It's on sale *now*, at all drug counters.

PRO-PHY-LAC-TIC BRUSH CO., *Florence, Mass.*

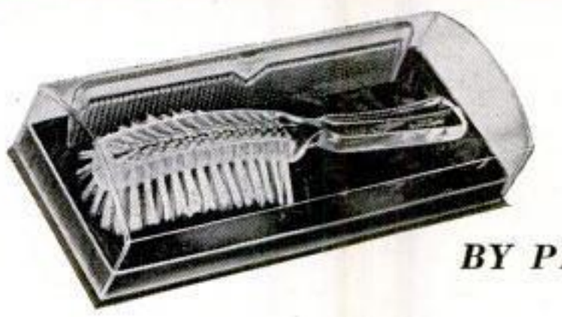
BONDED

Pro-phy-lac-tic TOOTH BRUSH

Prolon bristles (a heavier texture du Pont Nylon)
OR tempered Natural bristles

A LINE OF PLASTIC HAIR BRUSHES!

Another Pro-phy-lac-tic triumph! Dresser and toilet brushes in clear plastic. Choice of four gleaming, jewel colors. Transparent Jewelite backs. Bristles of Prolon (a heavier texture du Pont Nylon). $1.50 to $10.00—at most good brush-goods counters. *Illustrated: Roll-Wave, a unique "curved-to-the-head" brush.....$4.00*



JEWELITE BRUSHES

BY PRO-PHY-LAC-TIC

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"On the Ball! A Winner!"

THAT'S HOW GOOD-LOOKING HAIR HELPS YOUR PROSPECTS!



Keep your Hair a Business and Social Asset with

VITALIS

and the

"60-SECOND WORKOUT"!

50 Seconds to Rub—Just feel that stimulating "tingle" as circulation quickens—the flow of necessary oil is increased. And with the pure vegetable oils of Vitalis supplementing natural oils, your hair takes on a fresh, natural lustre.

10 Seconds to Comb—Your hair stays in place—with no "patent-leather" look. And what's more, the Vitalis "60-Second Workout" routs embarrassing loose dandruff—helps prevent excessive falling hair—helps you *keep* your hair.



Well-groomed hair steps-up your good appearance—makes a favorable impression on those you meet. So let the famous Vitalis "60-Second Workout" give your personal appearance the crisp, efficient, business-like look that gets favorable attention—and gets you your chance.



Look your best—win the approving looks and admiration that can help you in your social and business life. Get a bottle of Vitalis from your druggist today and let Vitalis and the "60-Second Workout" help you to handsome hair—and win you greater popularity!

A Product of Bristol-Myers

USE VITALIS AND THE "60-SECOND WORKOUT"

LETTERS TO THE EDITORS

(continued)

$600 a Month

Sirs:

In Clare Boothe's article, "Destiny Crosses the Dateline" (LIFE, Nov. 3), it is stated that common laborers at Midway Island received as much as $600 a month. Would you please send me information as to where I can apply for such a position.

THOMAS S. MOORE

Pasadena, Calif.

● Miss Boothe has been misread by Reader Moore and others: $600 a month is top wage on Midway Island (for superintendent); $350 is the top for skilled labor, including overtime. Average for skilled is under $300. Average stay of workers on Island is four to five months.—ED.

"Ball of Fire"

Sirs:

Whoever on your staff is responsible for the feature on Lorraine Miller in LIFE, Nov. 10, is a "Ball of Fire." I was surprised, however, to have him write that *Ball of Fire* is a Metro-Goldwyn-Mayer picture.

More than 20 years ago I formed the Goldwyn Pictures Corp., which later became Metro-Goldwyn-Mayer, but I have never been associated with the latter company. I produce my own pictures, including *Ball of Fire*, and have been doing it for almost 30 years. But recently M-G-M chose to advertise widely that "The Friendly Company (M-G-M) is a 'Ball of Fire.'" I thought it was more than decent of them to advertise, however inadvertently, a production of mine. So, what would ordinarily be a shout of indignation, when you credit them with production of *Ball of Fire*, is just a murmur of protest. And a friendly murmur, at that.

SAMUEL GOLDWYN

Los Angeles, Calif.

● For 18 years Producer Goldwyn has been waging a losing fight to make moviegoers realize he is no part of Metro-Goldwyn-Mayer. LIFE will be careful not to further this injustice again. —ED.

Sirs:

The pictures of Lorraine Miller slowed the "Ball of Fire Girl" down to a mere



BALL OF FIRE GIRL

sizzle. Here is how our Lorraine looked when she was aflame in the Earl Carroll chorus.

LAVONNE MAYER
LINDA DEANE
HELENA BRINTON
Earl Carroll Girls

Hollywood, Calif.

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The "fireplace poke"—cuts down the smoke, but won't cut down stocking runs! If every pair seems to "pop"—try Cannons!

Wonderfully sheer and well-styled, all Cannon Hosiery is given a special air-pressure inspection for the microscopic flaws that might cause "mystery" runs. Only *perfect* stockings come from Cannon—full-fashioned, flawless, triple-inspected.

Cannon Hosiery

P.S. Now available! Cannon fine hosiery in the Cellophane Handy-Pack at popular prices. Made by the makers of Cannon Towels and Sheets.

TRADE MARK MADE IN U.S.A. CANNON

$1 FREES YOUR MIND OF PETTY DETAILS



"WEEK-AT-A-GLANCE"

Indispensable for Business, Professional or Social Use

With this book you can see at a glance your appointments and memoranda for the entire week and important information once recorded cannot be lost or mislaid.

This book also provides indexed telephone and address section, current and following months' calendars always in view, complete three-year calendar, Wire-O or loose-leaf binding for flat opening and writing surface. Size 5"x8".

A distinctive personal or business gift.



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For a complete yet simplified recording of important information pertaining to your insurance policies, social security, stocks and bonds, bank accounts, safe deposit boxes, etc., for personal reference and for the guidance of your family and advisers.

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....*Genuine calf, gold tooled, loose-leaf* " **$5.50**
....*PERSONAL ESTATE RECORD, Loose-leaf* **$2.25**

☐ MONEY ORDER ☐ CASH ☐ CHECK

Name.....

Address.....

City.....State.....

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For everybody on your Christmas list

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PENCIL POINTED FOUNTAIN PEN

. . . will provide not just a momentary thrill but lasting pleasure and service.

Inkograph with its smooth, 14-kt. solid gold point, glides with the ease of a soft lead pencil. It takes the work out of writing! And because it does so many things that no other writing implement can do, it is a welcome gift even to fountain pen owners.

Inkograph has the good looks and workmanship of a high-priced standard pen. See Inkograph at your dealer's and you will see the solution of your gift problems. Costs only **$1.00**

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attractively boxed $1.50, $2.00 and $3.00

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A PRACTICAL LUXURY GIFT

THE MARLY

CASUAL CORDUROY COAT

Distinctive, new, colorful, comfortable! Versatile, too, because it's correct for cocktails, country, or campus. Impeccably styled for well-dressed men of every age. Full-lined, real leather buttons, plenty of pockets . . . and darn near impossible to wear out its Cravenetted corduroy. Marly will make his loaf-life finer, fuller, more fun! Order NOW!

***IF YOUR DEALER HAS NONE* MAIL COUPON BELOW $12.50**

ARROW IMPORTING CO., 2101 Superior Ave., Cleveland, Ohio.
Mail prepaid.....Marly Jackets at $12.50 each on your Money-Back Guarantee.
☐ Cash Enclosed ☐ Money Order ☐ C.O.D.
Add 17c postal charge for C.O.D. Shipment
SIZE: (34-35-36-37-38-39-40-42-44)
COLOR: ☐ Sand ☐ Brown ☐ Air Blue ☐ Lovat Green
MODEL: ☐ Regular ☐ Long ☐ Short
Name.....
Address.....
City.....State.....

LIFE'S COVER



The Flying Fortress on the cover is a Boeing B-17, one of the Army Air Force's two standard heavy bombers. (The other: Consolidated B-24.) On such planes, the highest-flying planes in the world, will be based America's future air supremacy.

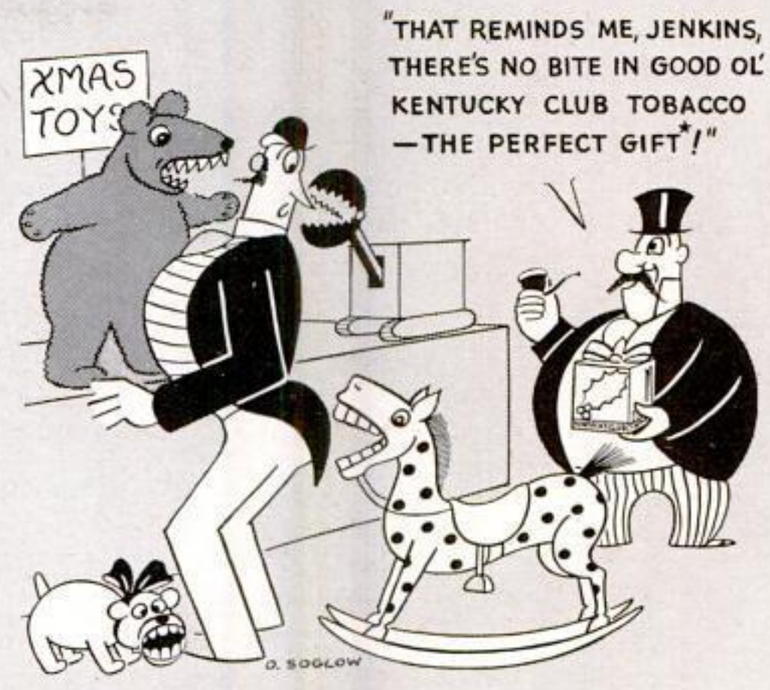
This particular plane is a B-17B, recently overhauled to increase armor-plate protection for pilots and crew. Leakproof gas tanks have also been installed, firepower made heavier and more effective. With its four 1,000 h. p. Wright engines it makes close to 300 m. p. h.

For a story on the U. S. Army Air Force, see pages 91–101.

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Subscriptions and all correspondence regarding them should be addressed to CIRCULATION OFFICE: 330 East 22nd Street, Chicago, Illinois.
LIFE is published weekly by Time Inc.—Editorial and Advertising offices TIME & LIFE Bldg., Rockefeller Center, New York City—Henry R. Luce, Chairman; Roy E. Larsen, President; Charles L. Stillman, Treasurer; David W. Brumbaugh, Secretary.
SUBSCRIPTION RATES: One year, $4.50 in the U. S. A.; $5.50 (Canadian dollars) in Canada including duty; $6.00 in Pan American Union; elsewhere, $10. Single copies in the U. S. A., 10¢; Canada, 12¢; U. S. Territories & Possessions, 15¢; elsewhere, 25¢.
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MacDuff takes a puff by O. Soglow



Says "Santa" MacDuff:

Every pipe-smoker wants a tobacco that's light
With plenty of flavor—yet free of tongue bite.
Kentucky Club's made of the burley that's white
There is the secret—it simply *can't* bite.
It's mild and it's mellow, and wonderf'ly light;
A humidor canister keeps it just right.
It's beautif'ly packed, and a holiday treat—
A pipe-smoker's gift that you really can't beat.

***The PERFECT Gift**
for men in camp, at college
—for EVERY pipe-lover!



$1 VALUE for over 350 "no-bite" pipefuls (lower in non-tax states)

PENN TOBACCO CO., WILKES-BARRE, PA.

Hoot mon!

"Hoot mon, it's a *gift!*" However a man expresses his delight at receiving a gift of Teacher's, there's one basic reason for his pleasure—

"It's the flavour"



Made since 1830 by Wm. Teacher & Sons, Ltd., Glasgow 86 PROOF



TEACHER'S

Perfection of Blended SCOTCH WHISKY

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THIS IS THE WAY WHEELER, MONT. LOOKED IN 1936 WHEN IT WAS A THRIVING SHANTY TOWN WITH A POPULATION OF 3,500 AND FIVE DOZEN BUSINESSES, COUNTING SALOONS, ETC.

SPEAKING OF PICTURES . . .

. . . LIFE LOOKS BACK FIVE YEARS TO SEE HOW ITS FIRST BIG STORY HAS CHANGED

Five years ago, in an issue dated Nov. 23, 1936, the new LIFE Magazine burst on what it hoped was an expectant world. Its first issue had stories about Robert Taylor, black widow spiders, Brazil. Biggest story was the lead article on Ft. Peck Dam, the $110,000,000 Government project then being built far up the Missouri River.

Making the first of her many LIFE trips, Margaret Bourke-White went up to Ft. Peck, came back with a slam-bang story of the new Wild West that had sprung up in the dissolute shanty towns around

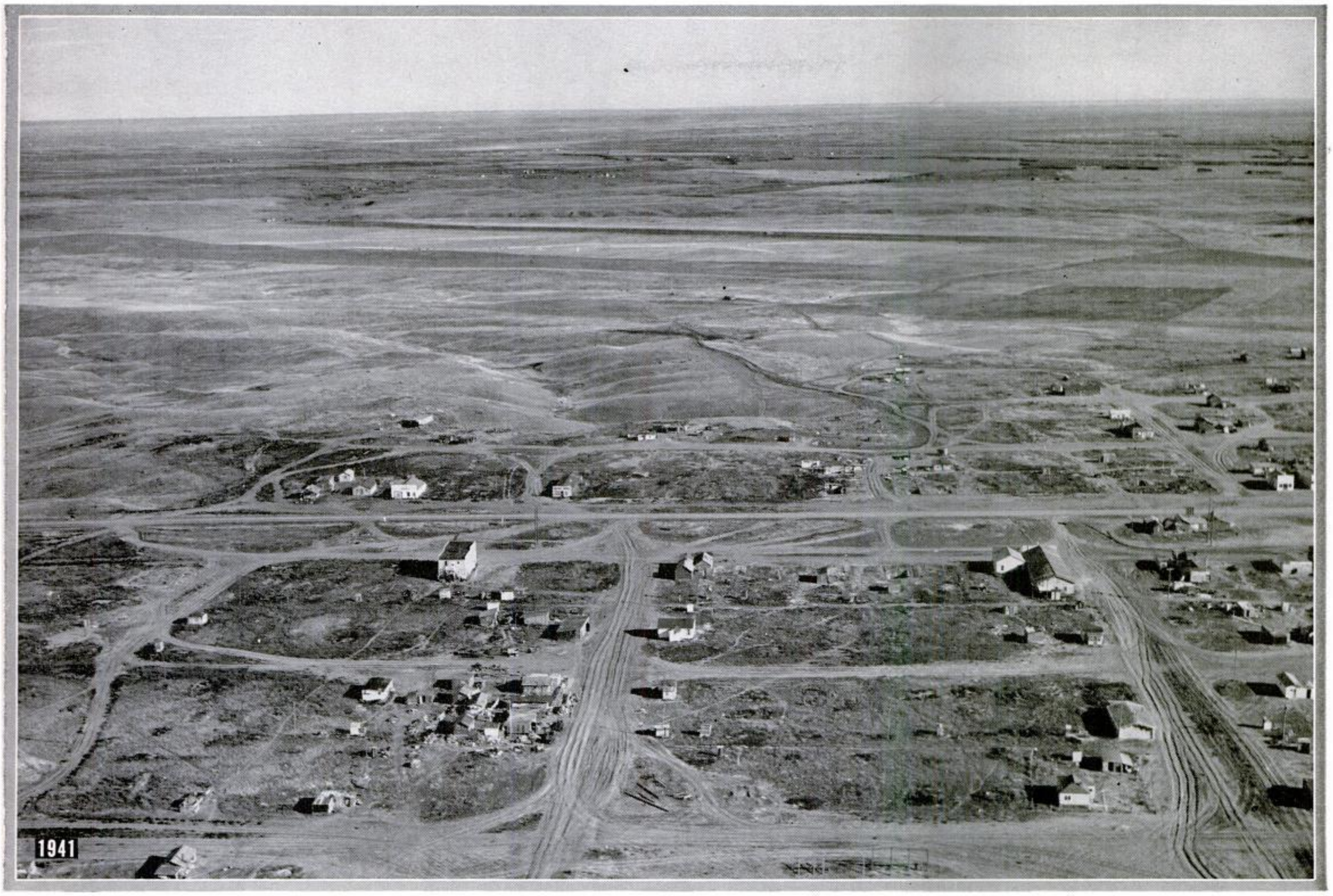


Wheeler's main street five years ago was jammed with stores. Buck Horn Club and beauty parlor did a fine business. Rents were high but prices for permanents and drinks were reasonable.



Main street is gap-toothed today. Most of the shops are gone. Weeds grow in the lonely street. Beauty parlor is closed and a lady named Bert does a languishing business at Buck Horn Club.

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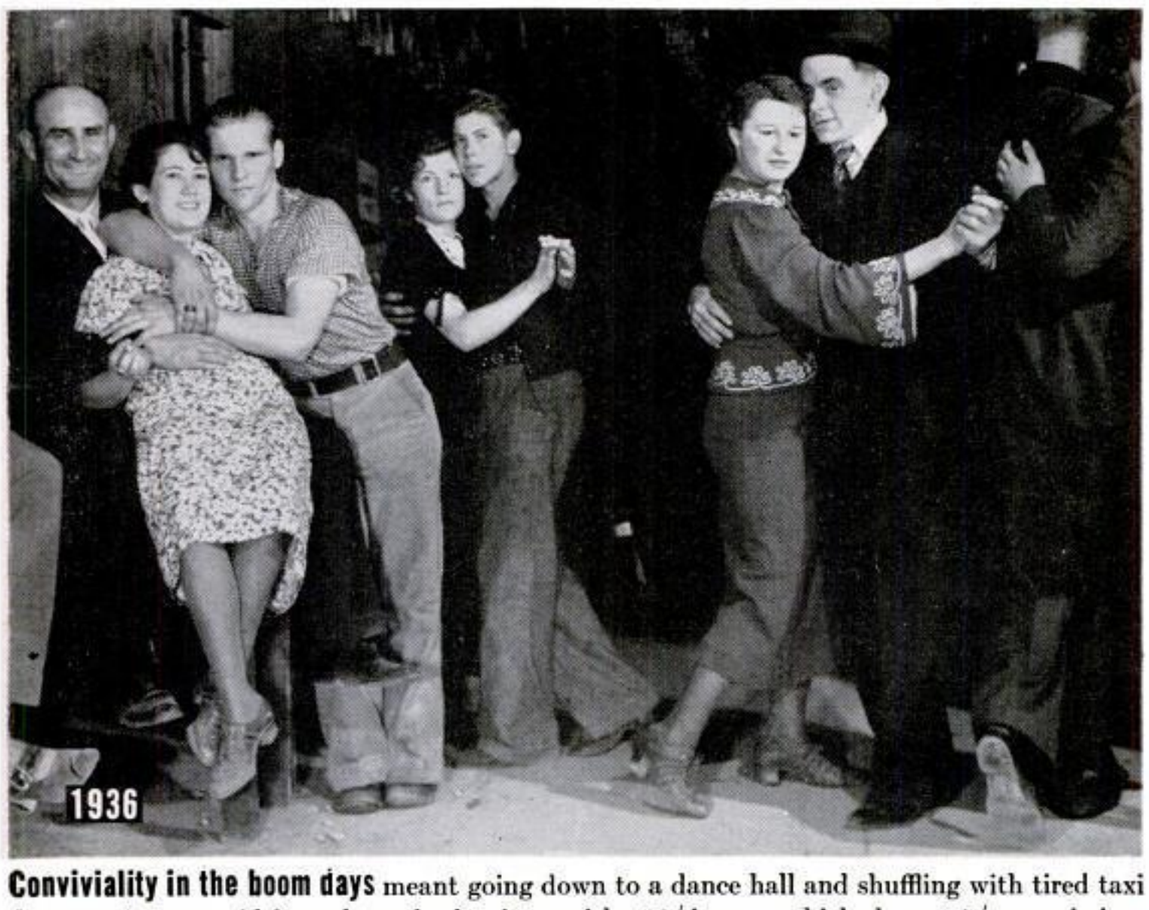
THIS IS THE WAY WHEELER LOOKS TODAY. STILL STANDING AND EASILY SPOTTED ARE SQUARE BUILDING WITH THE DARK ROOF AT LEFT AND LONG-ROOFED BUILDING AT RIGHT

the dam. Life was booming along there on the impetus given by the pay checks, the needs and the desires of 10,000 dam workers.

Sentimentally interested in its fifth birthday, LIFE last month went back to Ft. Peck to see what five years had done to the new Wild West. They had done a great deal, as these matched pictures show. The dam town of Wheeler, which burgeoned with 3,500 people while the dam was being built, now has less than 150. Its streets (*see top pictures*) are desolate. Buildings which haven't burned down or fallen down have been bought by farmers who cart them off bodily and use them for sheds. The fly-by-night gamblers, the jaded ladies, the saloonkeepers have drifted away, no better off when they left than when they came. The dam, all four miles of it, is still the largest earth dam in the world. The expected irrigation projects, however, have not been started and bids on the power plant are just about to be opened.

All over the U. S. today are dozens of shanty towns like Wheeler, mushroomed up around defense projects and doomed to the fate Wheeler has suffered.

ED'S GAY BEER PLACE IS NOW A HOLE IN THE GROUND



Conviviality in the boom days meant going down to a dance hall and shuffling with tired taxi dancers. A man paid for a dance by buying a girl a 10¢ beer on which she got 5¢ commission.



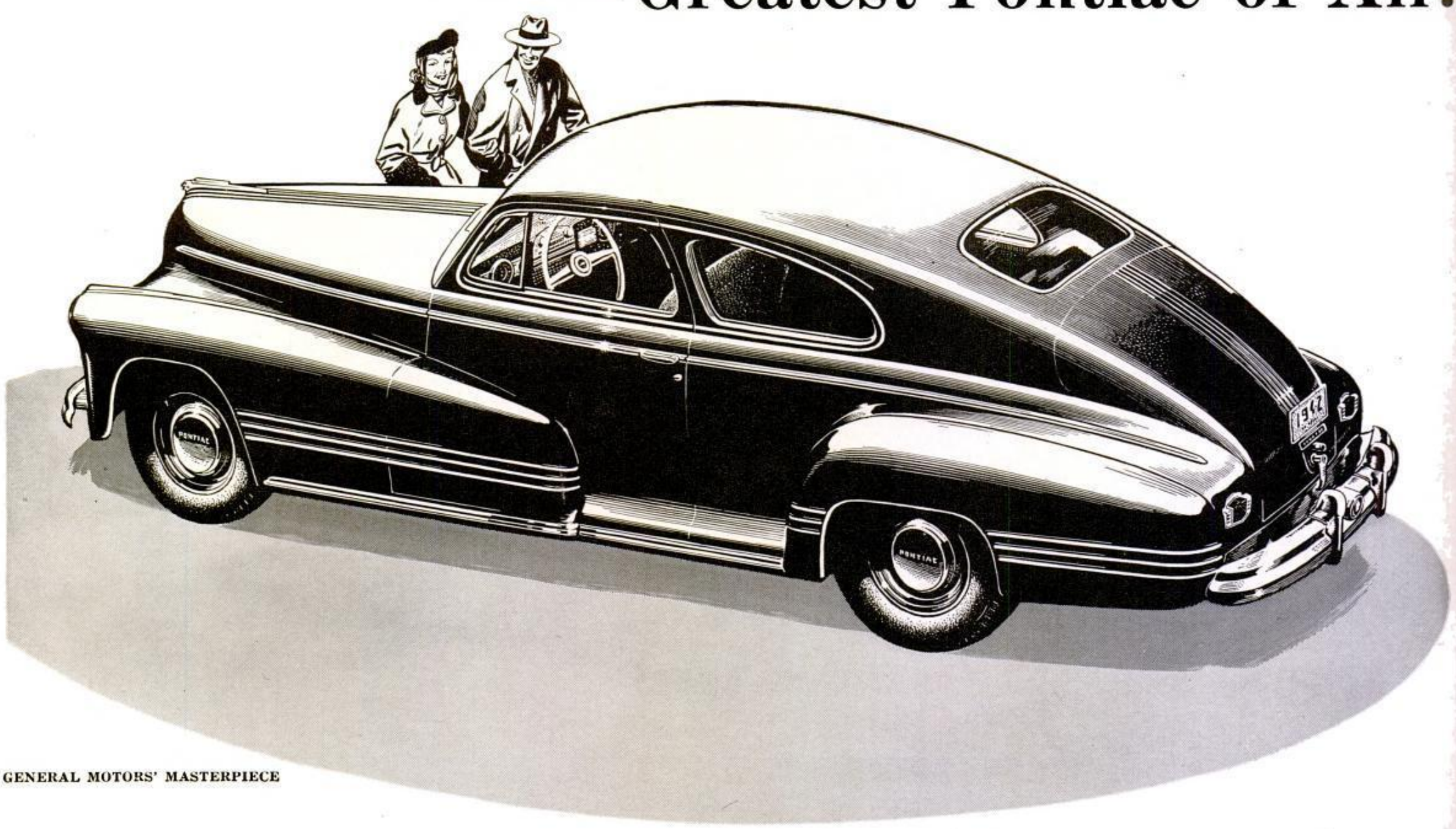
Conviviality today has lost its fine flavor. The jolliest place in Wheeler is likely to be Chris Peterson's service station where the boys can get together over a friendly bottle of soda pop.

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Continuing Pontiac's Quality Record

with the Greatest Pontiac of All!



GENERAL MOTORS' MASTERPIECE

IT MAY SEEM incredible, in a year when Pontiac's first responsibility is production of arms for defense, to call its latest model the greatest Pontiac of all time.

Yet it is true that the new Pontiac for 1942 equals any previous Pontiac in every respect and excels any earlier model in many ways.

Important mechanical features—pistons, bearings, connecting rods and other engine parts—are exactly the same in both materials and size as those which are functioning so well in past models.

Where improvements occur—in Pontiac's exclusive oil cleaner, for example—they represent advances in design requiring no new metals nor machinery vital to armaments.

Thus it is that Pontiac, while contributing fully to the nation's program for defense, has been able to maintain the high quality of its cars and even *improve* them—at prices beginning just above the lowest!

Rapid-Fire Production of Rapid-Fire Cannon!

Charged with building a large number of automatic anti-aircraft cannon for the U. S. Navy, Pontiac is now turning out these complicated weapons with production-line speed and efficiency. This important assignment we regard as our first responsibility.

[AVAILABLE AS A SIX OR AN EIGHT IN ANY MODEL]

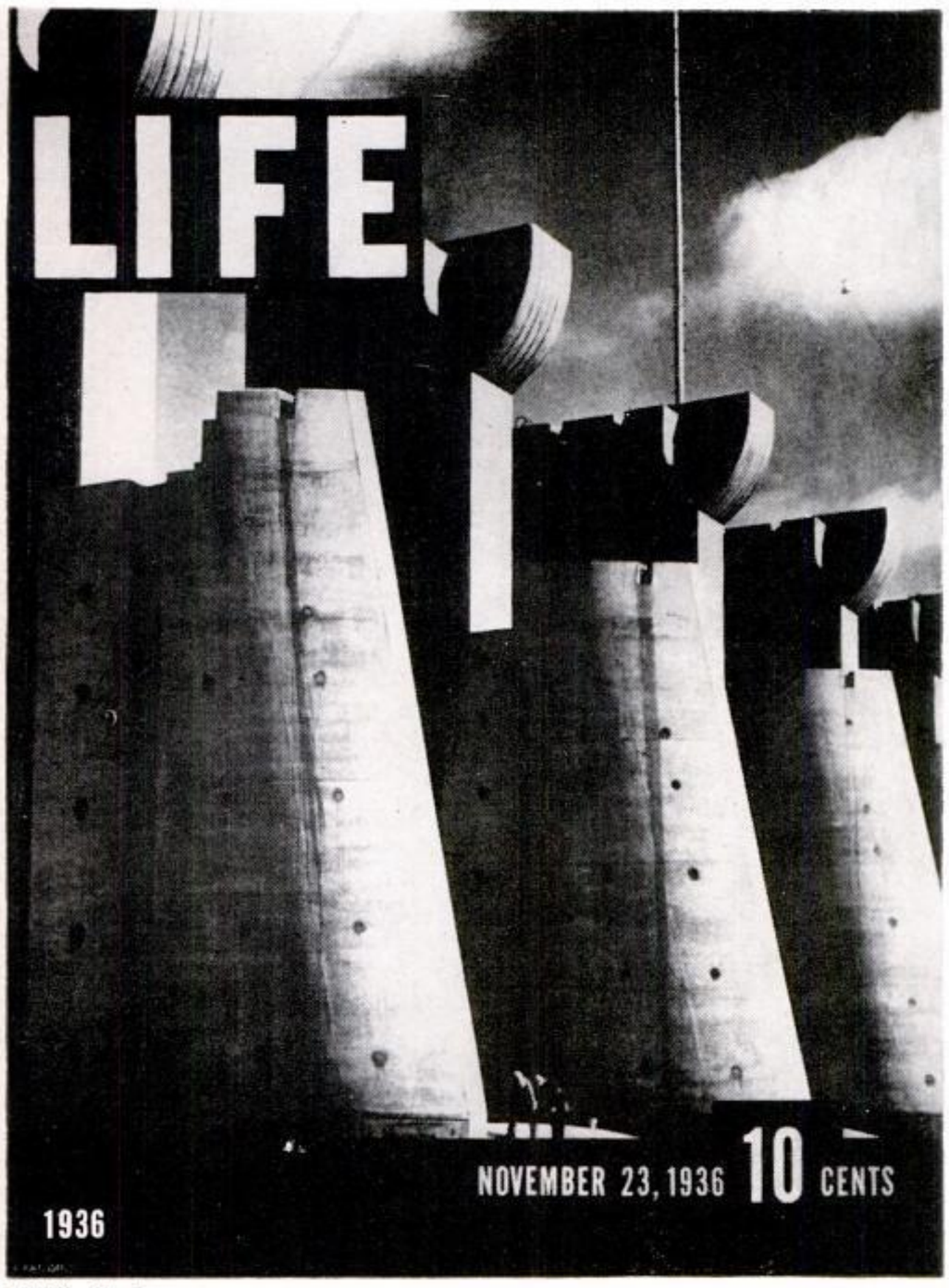
1942 Pontiac THE FINE CAR WITH THE LOW PRICE

YOUR PONTIAC DEALER WILL GLADLY GIVE YOU THE FULL STORY OF PONTIAC'S QUALITY FEATURES FOR 1942

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SPEAKING OF PICTURES

(continued)



LIFE's first cover showed the concrete bastions which hold up spillway dam. Small crew of maintenance men now replaces huge corps of workers which built the dam.



The spillway dam is finished. It will take care of eventual overflow from waters of the Missouri River backed up by main dirt dam. Backed-up lake shows in top of picture.

For a Merry Christmas

and a Happy SHOE *Year*



The GARFIELD

The STRATFIELD

The satisfaction of owning and wearing Florsheim Shoes lives long after the simple act of giving. Multiply your thoughtfulness over and over again with every step he takes. Florsheim Shoes for a Merry Christmas . . . Florsheim quality for a Happy SHOE Year!

$10

Most Regular Styles



Your Florsheim dealer has special Florsheim Christmas gift certificates to make your shopping quick and easy.



This miniature Florsheim Shoe, in plaster, adds novelty to your gift . . . is a practical desk paperweight, too.



Put both in a miniature Florsheim shoe box . . . and watch his smile of satisfaction on Christmas morning.

THE *Florsheim* SHOE

THE FLORSHEIM SHOE COMPANY · MANUFACTURERS · CHICAGO · MAKERS OF FINE SHOES FOR MEN AND WOMEN

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Why we should conserve



1 TURN THESE TURRETS AND FIRE THESE GUNS. On many a Navy battleship, turrets are turned and guns fired by electricity, delivered through U. S. Rubber insulated control cables.



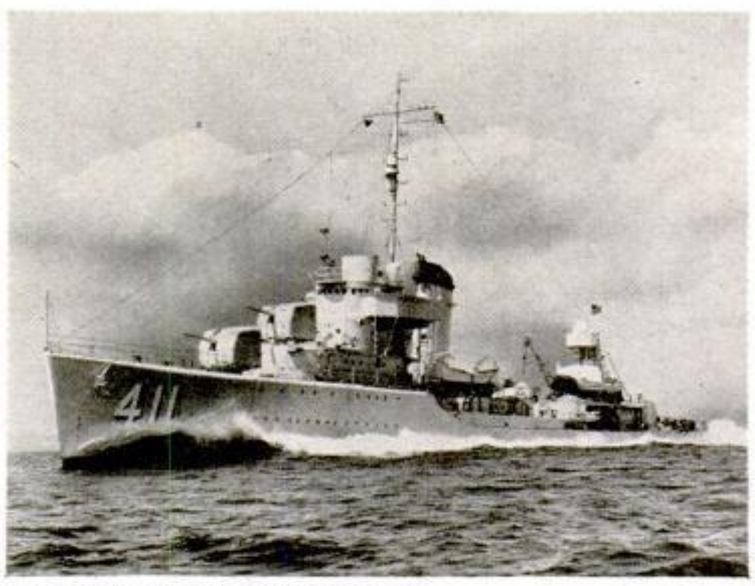
2 SAVE THIS MAN'S LIFE. Life preservers now have inserts of a new type of cellular rubber developed by U. S. Rubber engineers which is twice as light as cork, will never absorb enough water to sink.



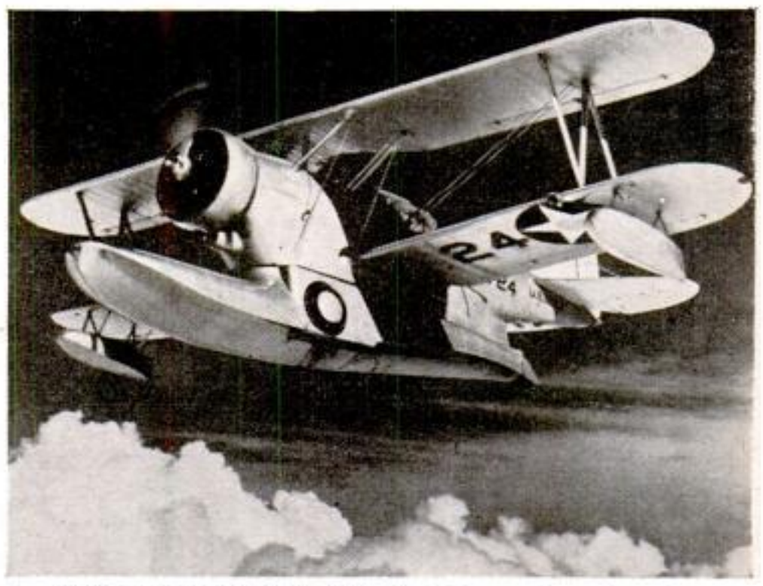
3 KEEP THE CREW OF THIS SUB SAFE. Many subs rely on electric power furnished by batteries with U. S. Rubber separators; on U. S. Rubber air and oil hose; on U. S. Rubber gaskets and expansion joints.



4 GIVE THIS BOMBER GAS AND OIL. Many Navy patrol bombers, fighters and destroyers, cruisers and battleships are fueled through flexible U. S. Rubber hose with an inner tube of synthetic rubber.



5 SPEED UP THIS DESTROYER. Sheathing developed by United States Rubber Company covers propeller shafts of many destroyers, cruisers and battleships to prevent pitting and corrosion.



6 KEEP THIS PLANE ALOFT. Many ship-based amphibian fighter planes are equipped with U. S. Rubber tires, U. S. Rubber self-sealing gasoline tanks and self-sealing rubber fuel hose.



7 CONTROL COMMUNICATIONS. Nerves of the Navy are its radio, telephone, blinker, annunciator and control systems for which U. S. Rubber supplies insulated electrical wires and cables.



8 LET THESE MEN WORK UNDER WATER. Much repair and exploratory work under the sea is made possible by U. S. Rubber diving suits, diving hose, wading suits and life-saving suits.



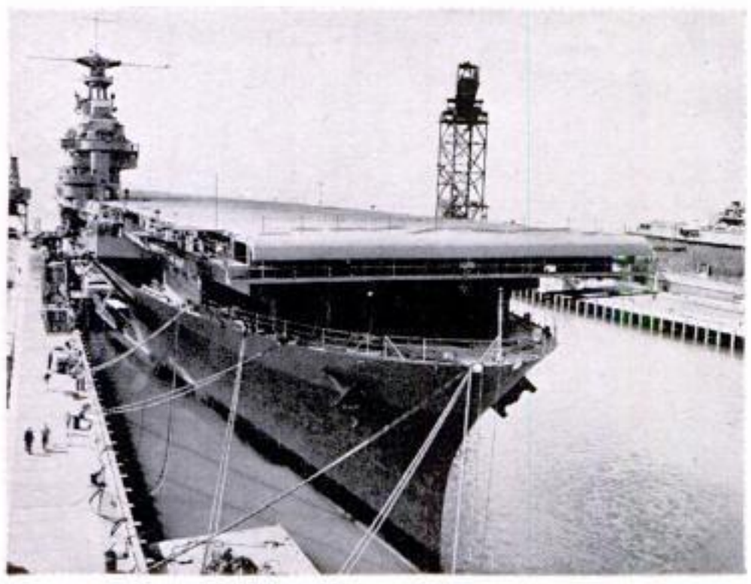
9 INCREASE THIS GUN'S ACCURACY. U. S. Rubber mountings perfected for thousands of automotive and industrial applications damp out vibration in many of the Navy's fast-firing guns.

RUBBER DOES
UNITED STATES

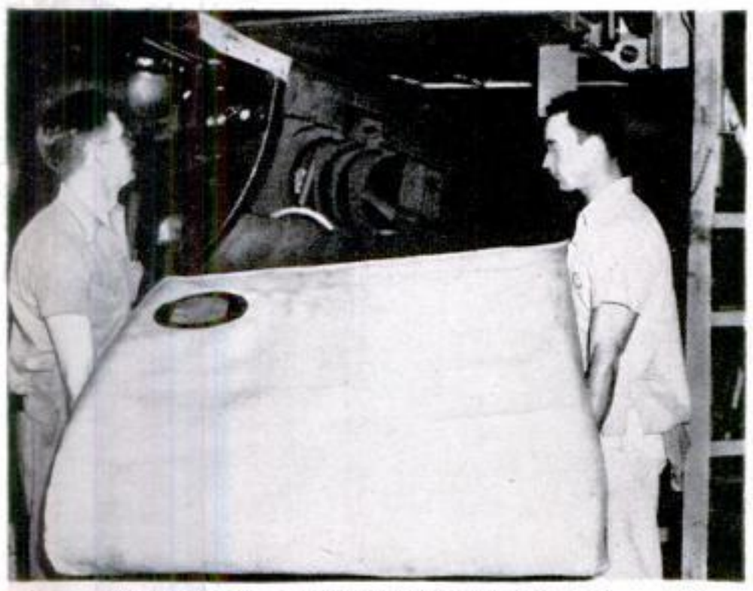
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rubber for the Navy....



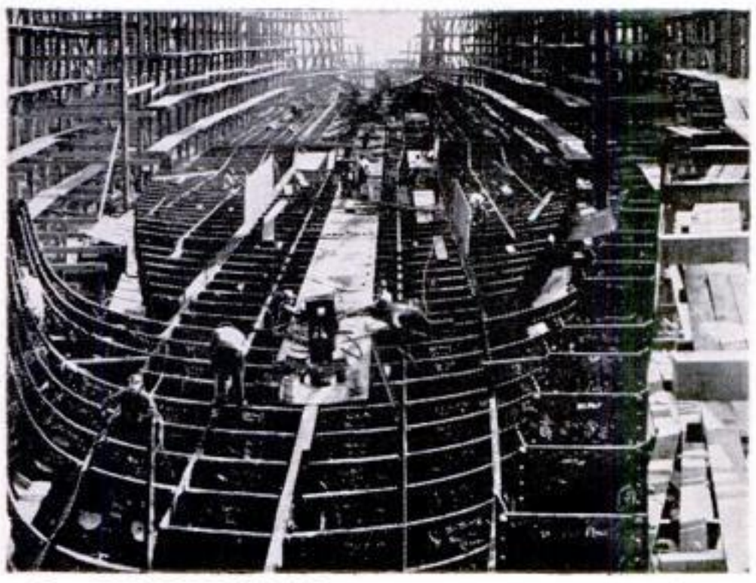
10 EQUIP THIS AIRCRAFT CARRIER. U. S. S. Hornet, newest of the Navy's great fleet of floating airports, depends on thousands of rubber products for ship, crew and planes.



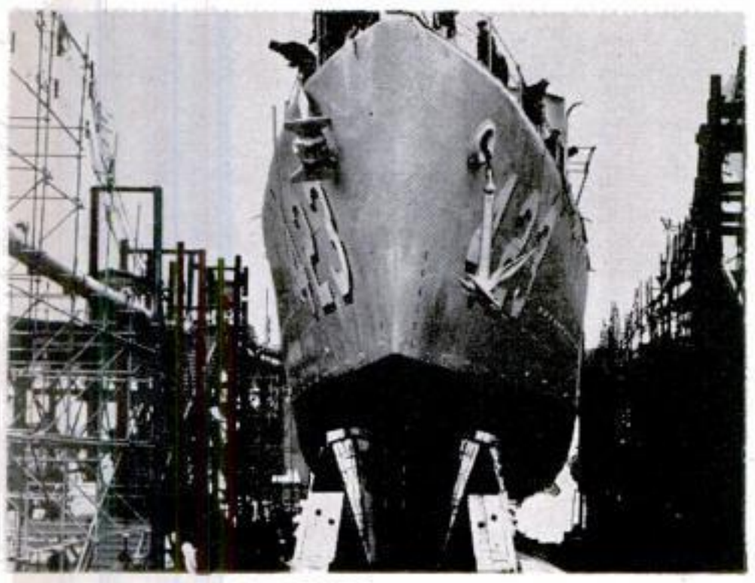
11 BUILD MORE SELF-SEALING TANKS. Many Navy fighting planes are equipped with self-sealing U. S. Rubber gas tanks and self-sealing fuel hose which can be punctured but not set afire.



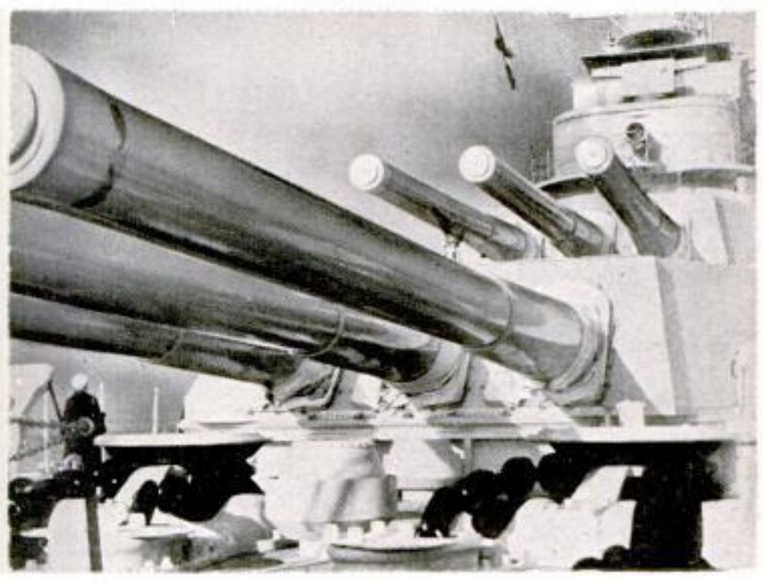
12 INSURE FREEDOM OF THE SKIES. Supplied with current by U. S. Rubber insulated electrical wires and cables, Navy searchlights probe the sky, find targets for Navy guns.



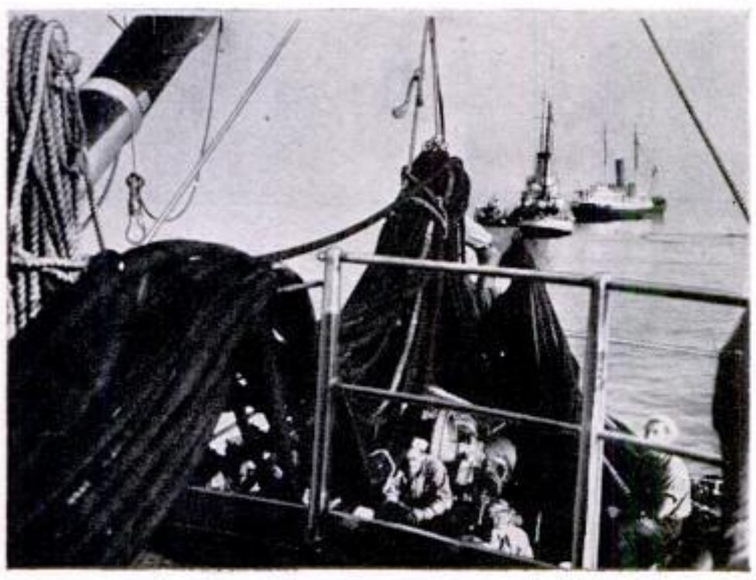
13 LAY MORE KEELS. Tough U. S. Rubber conveyor and transmission belts are at work all over the country hauling coal, fabricating metal, machining parts for new Navy ships.



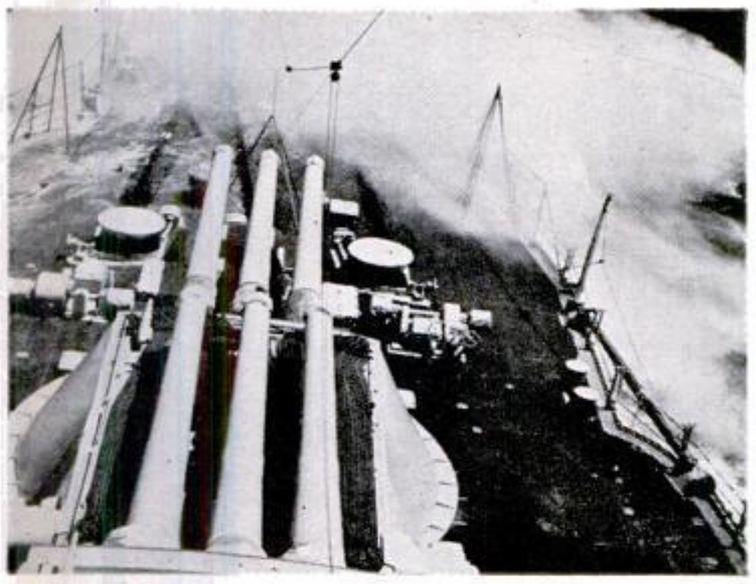
14 LAUNCH MORE SHIPS. While in shipyards, long-wearing U. S. Rubber air and steam hose drives rivets and furnishes power to complete ships, gets them down the ways ahead of schedule.



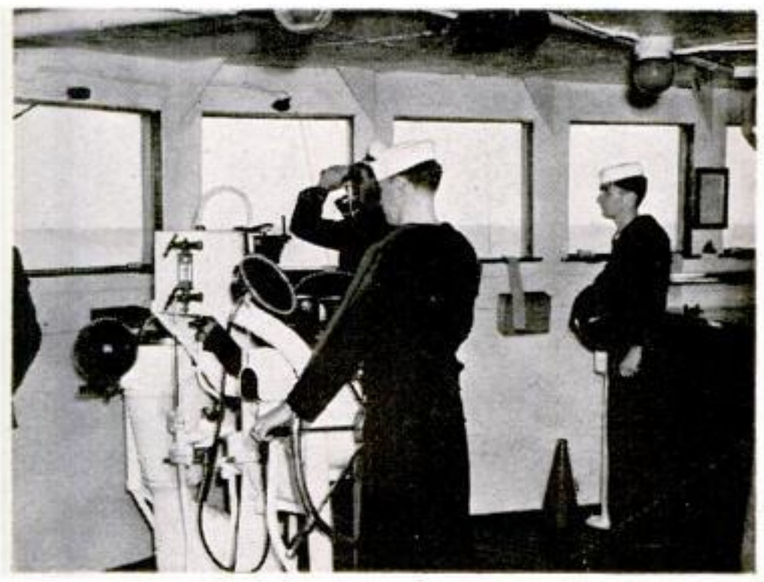
15 GUARD FREEDOM OF THE SEAS. From gun turrets to propeller shafts, from masthead to keel, in each of the Navy's new battleships there are more than 160,000 pounds of rubber.



16 SALVAGE SHIPS. Salvage operations are made possible with U. S. Rubber hose, gaskets, and life-saving suits which keep water out and life giving air in.



17 PROTECT MEN IN HEAVY WEATHER. U. S. Rubber deck cleats give firm footing on wave swept decks, U. S. Rubber waterproof clothing and footwear protect men from rain and spray.



18 KEEP A STRAIGHTER COURSE. U. S. Rubber insulated electrical control cables help Navy ships keep on their courses while U. S. Rubber mountings protect delicate instruments.

*REG. U. S. PAT. OFF.

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IT BETTER RUBBER COMPANY

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PARACHUTING OUT OF THE SKIES with COLUMBIA Compax Folding Bicycles come the "Leathernecks" of Uncle Sam's Marine Corps in spectacular tests of new tactics. In a matter of seconds, the "folded" bicycles are assembled and ready to speed away on a lightning-fast maneuver.





THE U. S. NAVY also finds important work for COLUMBIA Bicycles which are designed to meet its standards and requirements. These bicycles are used for dispatch duties and dependable conveyance when ashore.

AND THE U. S. ARMY uses COLUMBIA Bicycles of special "military" design to serve its needs. This Army model has motorcycle-type spokes, heavy duty rims and tires—to take the roughest, toughest going.



AMERICA'S DEFENSE WORKERS AND CIVILIANS, TOO, find still another important use for COLUMBIAS as an ever-ready means of transportation to and from the job day after day—saving gasoline and oil, and time and trouble in parking and in traffic. Once again the experience, skill and workmanship that have made COLUMBIA "America's FIRST Bicycle" are meeting all demands of these times of conservation and emergency.

THE WESTFIELD MANUFACTURING CO., 1 CYCLE ST., WESTFIELD, MASS.

Look for this name-plate on a Genuine Columbia ...the best known name in bicycles.



Columbia

AMERICA'S *FIRST* BICYCLE

FIRST IN 1877 · FIRST IN 1942

LIFE'S REPORTS

HOW ISOLATIONIST IS THE MIDWEST?

by FILL CALHOUN

•

Millard Fillmore Calhoun, former member of Time Inc.'s London staff and later Time Inc.'s correspondent in Rome and Ottawa, is now chief correspondent for Time *and LIFE in Chicago.*

Chicago

A British newspaperman went to live, not long ago, in a little Illinois town so that he could flavor life in the "Isolationist" Midwest. Rotary Club members called him by his first name, referred to President Roosevelt even more informally, but didn't talk much about the war. A farmer invited him to help make apple butter and as they walked through a thicket of sumacs and maples asked him in all seriousness how many *hundred* miles it was across the channel from England to France. Still grumbling despite the highest farm prices in years, the farmer later drove to town in a new car that had a virtually gearless gearshift, push-button radio, front- and back-seat heating units and "a ruddy air-conditioning gadget." The



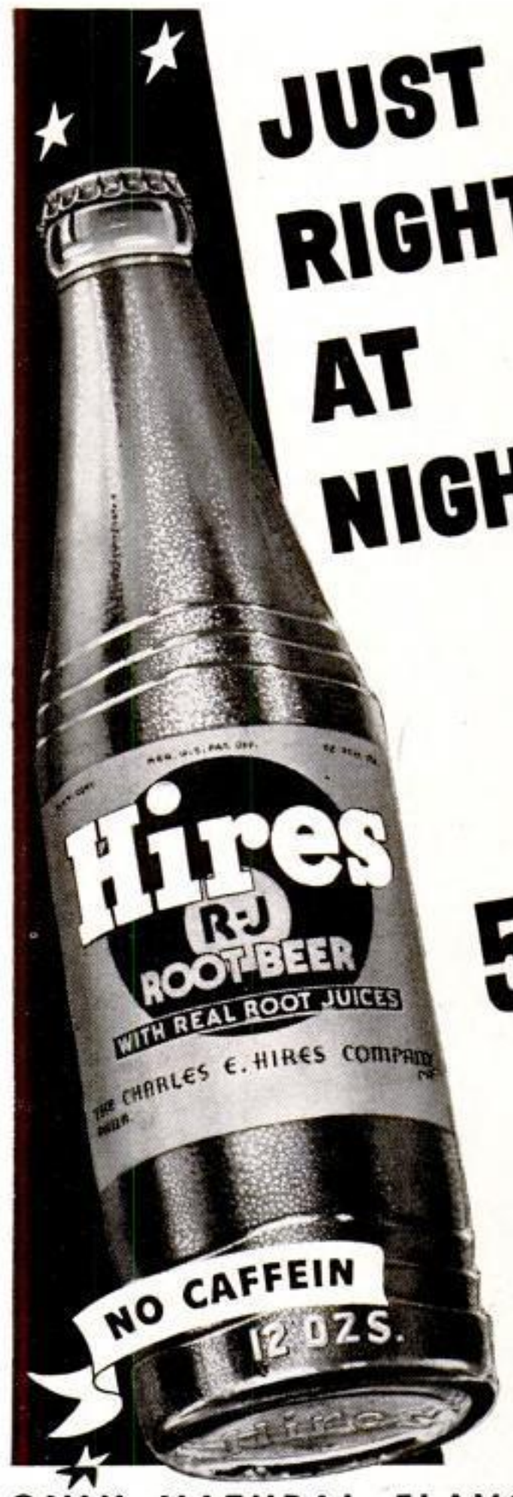
COL. ROBERT McCORMICK

Britisher returned to Chicago and admitted he was completely baffled.

He thought that the people who had fed him rich foods, driven him about in new cars and opened up their majestically toileted homes to him were living expensively, even greedily, in a fool's paradise. Yet, in another way, he felt that as a matter of cold common sense it would be idiocy for such people to risk their material possessions in a World War.

What he had found was that the Midwest, feeding itself off rich farm land and taking for granted mechanical luxuries that the rest of the world only dreams about, will always have

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FOR Christmas '41
FROM THE LAND OF THE '45'



TEXAS RANGER BELTS

REG. U. S. PAT. OFF.

Yoakum, Texas, answers the problem of choosing a gift for a man—particularly the man who "has everything." The Texas Ranger is the *original* and *authentic* western belt, inspired by the hell-for-leather, gun totin' Rangers of the Texas plains. Texas leather craftsmen tool these belts in bold designs that tell a story of the old frontier. Men treasure Texas Ranger belts for their dashing style and solid comfort. The outer billet strap makes the inside smooth like the tongue of a shoe.

★ ★ ★

THE "SAM HOUSTON"
Named for the hero of San Jacinto. Rich, mellow Russia Calfskin, handsomely hand-tooled and shaded. 1¼-inch. Saddle Tan. With regular nickel buckle set, **$5.00.** With hand-engraved sterling silver buckle set, **$10.00.** With silver buckle set, with gold inlays and ruby studs, **$25.00**

• ★ • ★ • ★ • ★

THE "MUSTANG GREY"
Named for the hard-ridin' Ranger. Tooled floral design. Top-grain saddle leather. 1 inch wide. Fine for slacks. Rope-edge, curvex nickel silver buckle set. Saddle Tan or Mohawk Tan Antique, **$2.00**

THE "MAJOR JONES"
Colorful Ranger Commander and Indian fighter. Smart two-tone effect. Saddle Tan border with tooled antique center strip. Full grain saddle leather. 1 inch wide, tapered to military bronze buckle, without billet straps, **$1.00**

If Dealer Doesn't Have MAIL COUPON TODAY!

TEX-TAN, Dept. L-3, Yoakum, Texas.
Please send me Texas Ranger Belts as checked.

☐ C. O. D. ☐ Remittance enclosed. If not 100 per cent satisfactory, I reserve the right to return belts within seven days for full refund.
☐ 'Sam Houston'—nickel buckle ☐ Mohawk Tan Antique
☐ 'Sam Houston'—sterling silver buckle set ☐ Saddle Tan
☐ 'Sam Houston'—with gold inlay, ruby studded buckle set ☐ 'Major Jones' ☐ 'Mustang Grey'
☐ Send Free Catalog Waist_____inches

Name_____
Address_____
City_____State_____
My favorite dealer_____

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LIFE'S REPORTS

(continued)

a hard time making itself care much more than two whoops up a rainbarrel about Europe on one side of a faraway ocean, or the undersized Japanese on the rim of another ocean even farther away.

A typical small-town Midwesterner knows for certain that his town is the best little old town in the U. S. and his country is the finest in the world. All he knows for certain about the rest of the world is that it is in a hell of a mess. He knows he can't dismiss it as such, but he has argued about what America should do about it all until the subject of war has gone stale. Little else could account for Columnist Charlie Townsley of the Great Bend, Kansas *Tribune*. As the Communist and Nazi armies clashed before Moscow, Townsley commented wryly: "Did you ever see a week when the news was so flat!"

•

After too much of a bad thing has "flattened" the news, Colonel Robert Rutherford McCormick's Chicago *Tribune* comes along to twist it. The *Tribune* never hesitates to tell its readers what to think and has a vast reader influence in virtually every city in a five-state periph-



MRS. JANET AYER FAIRBANK

ery around Chicago. Worth two cents in comic strips and sports coverage alone, the *Tribune* hammers away violently on the theme that the Roosevelt Administration is willfully ruining the country and purposefully sabotaging democracy. Just plain, common, ordinary hatred of Roosevelt is a factor in isolationism that, particularly in parts of Chicago, is a definite cult. Yet it takes more than that to explain why Chicago is the hotbed of U. S. isolationism.

There was a time when the men who ran Chicago dreamed and worked for a great city—the biggest damn city in the

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Keep Fit THIS WINTER



"I'll get him outdoors with these Jockey Longs"

REG. U.S. PAT. OFF.

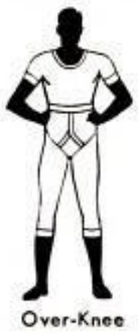


Bellin

Maybe you, too, know someone who boasts about wearing the same length underwear the year 'round but—when cold weather comes—goes into hibernation. If you do, lure him outdoors and re-discover for him the tangy thrill of winter fun by presenting him with Jockey Longs. All men should wear Jockey Longs in wintry weather because they do such a grand job of combining comfort with warmth and trimness. They provide full leg coverage plus the famous inverted *Y-front construction. And that, as you know, means masculine support plus freedom from bulk, bind, squirm, and buttons. Buy Jockey Longs in stores which display the Jockey statue. And if you want to make yours a really memorable gift, add other Jockey garments in various leg lengths so he'll have a complete underwardrobe! Matching shirts are contoured—shorter in front to avoid bunching, longer in back to keep them in place. Children's sizes down to 4 years.



Midway



Over-Knee

"Quality Corner"
Better stores offer Jockey in Rayon, mercerized cotton, linen and cotton, wool and cotton mixtures and the new elastic super-textile, Coopreme.



TRADE MARKS REG. U. S. PAT. OFF.

EASY TO REMEMBER, Jockey
REG. U. S. PAT. OFF.

That you may be sure of getting genuine Jockey, the name Jockey appears on the label of every garment made by Coopers and Jockey merchants are identified by the statue displayed in their windows or on their counters. Be sure to look for both whenever you buy underwear.

* —*The source of support.*



Short

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KENOSHA WISCONSIN

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NEW!

"You can save time this easy way every morning"



COFFEE GOODNESS
ready in a flash

"Is your house like ours at breakfast-time? Rush—rush—rush? Everybody in a hurry for coffee? And *good* coffee? Then do what we do. Use *Nescafé*. It's such a *quick, easy* way. Just place a spoonful in each cup — and add hot water. *Right away* it's ready. Simple, isn't it? And the *flavor!* M-m-m-m—coffee lovers say: 'It's *marvelous!*' Just try it—we're sure you'll agree."

No Coffee Pot to get ready or clean up. Just your *cups* to wash. No mussy grounds either. So see how *much* work Nescafé saves?

All This Convenience for about 1¢ a cup. That's the cost of Nescafé in the new large economy-size can. And here's *another* saving: no *leftover coffee thrown away!* You make the *exact* amount you need.



= A superb cup of real coffee goodness. All the flavor— all the "lift" —without the work!

IN EACH CUP—A TEASPOONFUL OF NESCAFÉ—ADD HOT WATER—IT'S READY!

NESCAFÉ

PRONOUNCED NES-CAFAY

A NESTLÉ PRODUCT—AT YOUR GROCER'S

A COFFEE EXTRACT COMBINED AND POWDERED WITH ADDED DEXTRINS, MALTOSE AND DEXTROSE . . . added to seal in all the flavor—all the "lift"—of really good coffee.



LIFE'S REPORTS

(continued)

world. Now Chicago is run by politics and the successors to old civic boosters leave town as quickly as they can for well-run suburbs. The ordinary people of Chicago, who *live* as well as *work* inside the city limits, have likewise developed—through disillusionment, apathy or the necessity of making a living—an attitude that can be described as "don't bother me." A city that did not rebel at having schoolchildren locked in their classrooms until 7 p. m. when Al Capone's gangsters were riddling Cicero storefronts with machine-gun bullets would, conceivably, take its time getting worked up about Adolf Hitler.

•

Most vocal and best organized opposition to U. S. entry into the war comes from the America First Committee which in some cities is a typical hodgepodge of sincere citizens, disillusioned Willkieites and inveterate joiners, but in other cities has either a crust or core of bigots. Lindbergh gave his "may be my last speech" in Fort Wayne, Ind., because Fort Wayne had "won" a Lindbergh speech by showing the greatest percentage of America First membership increase in the U. S. What might only be coincidence is that Fort Wayne also has one of the highest percentages of citizens either born in Germany or of German descent in the U. S.

Outside the red brick Gospel Tabernacle where Lindbergh spoke, the pre-speech singing and then the waves of applause sounded like the return of hell-fire and damnation revivalism of which one element branched off into the sheets of the Ku Klux Klan and once had Midwest farmers seeing an imaginary pope behind every fence post on the back forty acres. The Tabernacle swayed to the roar of *The Battle Hymn of the Republic* and when the song-leader introduced *Let Me Call You Sweetheart* he urged everyone: "Get ahold of some neighbor's hand—even if it is your neighbor's wife's hand. Don't be afraid. We are all brothers and sisters in this fight."

Such leaders of America First as Janet Ayer Fairbank, the "Mrs. Roosevelt of Isolation-

Glamour legs by Mojud



MOJUD NYLON

● Du Pont's nylon is indeed a miracle yarn . . . and, in Mojud hosiery, all its virtues are expertly employed to the best advantage.

● Mojud stockings, whether of nylon or any other fabric, are made with loving care to bring you beauty, glamour, extra wear. Sold by over 6,000 stores from coast to coast.

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THE ONLY GENUINE
WINDBREAKER
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Staunchly tailored of finest gabardine —the genuine WINDBREAKER is the perfect all purpose All-Seasons Jacket. Made in ten colors. Look for the label.

Rayon Lined, $7.95 Wool Lined, $8.95
Boys Sizes, $6.95 & $7.95

NOTE: WINDBREAKER is sold in 4,000 stores. If your dealer is unable to supply you, send size and color with check or money order. Exchange or refund if not satisfied.

JOHN RISSMAN & SON
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VICTOR

RECORD HIT OF THE WEEK

Sammy Kaye's "MODERN DESIGN"

Walter Winchell says
in his column, "On Broadway"

New Yorkers Are Talking About
... Sammy Kaye's take-off platter on the ciggie routine (modern design, woo-wooooo!) that threatens to outsell "Daddy."

Coupled with
"When Winter Comes"
Only 50c

Hear them on the new RCA Victrola
THE WORLD'S GREATEST ARTISTS ARE ON VICTOR

RECORDS

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A Service of the Radio Corporation of America



I'M JUST A MUTT — but worms aren't choosy! I've had them twice. The first time it looked like curtains for me. But my Master got Sergeant's PUPPY CAPSULES—and I was saved.



I CHEERED UP SO QUICKLY that the Master learned his lesson. Now he always has a Sergeant's DOG BOOK. Last time the worms came, he looked up my symptoms and cleaned me out with SURE SHOT CAPSULES pronto!



KEEP SURE SHOT OR PUPPY CAPSULES handy to save your dog from serious worm troubles. Get them at drug or pet stores — and the new *free* Sergeant's DOG BOOK.



FREE — *New* DOG BOOK!
Mail this coupon.

Polk Miller Products Corp.
Dept. 52-M, Richmond, Va.
Please send a free Sergeant's DOG BOOK to:
(*Print*)
Name
Address
City State

Sergeant's
DOG MEDICINES

LIFE'S REPORTS

(continued)

ism," General Robert E. Wood and young Bob Stuart, national director, however, can hold their own as able, patriotic Americans with anyone. Mrs. Fairbank believes the membership is composed of "simple, lovely" people, which may be true in one sense, although a vast number who secretly or openly applauded Lindbergh's cracks at Jewry and still see in him—with his defeatism and his martyr complex—a shining knight with a cure-all for their troubles, are a dangerous emotional minority in any country.

Because U. S. Communists had the effrontery in the past to say that the U. S. might not be the finest country in the world, as far as the Midwest is concerned they can therefore go chase themselves into industrial slum areas for their converts. And it was less than 20 years ago that Socialist Bob La Follette was "Mad Dog" La Follette and a man who voted for him was thankful for the secret ballot. However, since the depression there has been an acceptance of many social-minded, if not socialistic doctrines, by men and women whose forebears trudged West with the social philosophy: "Root hog, or die."

•

Now that war moves closer the Midwest remembers that partner to the philosophy of "root hog, or die" was the code: "Put up, or shut up." Interventionists tell America to "put up" and the Midwest agrees that merely "talking big" and saying "sic 'em" to other nations is a reprehensible role for a great nation. The Isolationists on the other hand say America should "shut up" and this makes sense too because no one in the Midwest talks of the post-war period as anything but another depression "that will make 1933 look like a picnic."

That America First doesn't have more supporters than it does may well be accounted for by typical American resentment at being told to "shut up" about anything, accompanied by rising resentment any time Hitler says any nation other than the U. S. could be "top dog."

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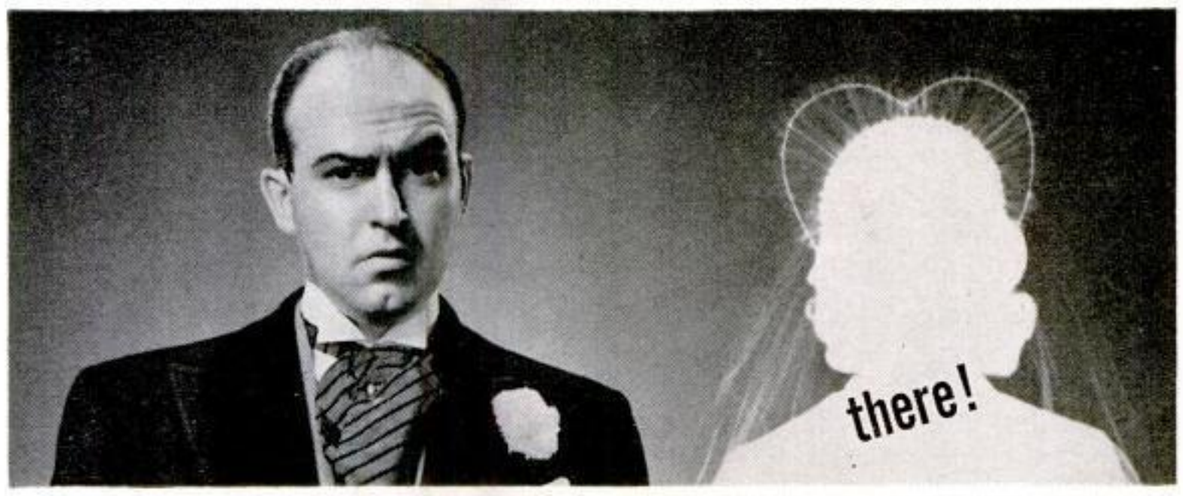
HOW TO "RING" A WEDDING BELLE



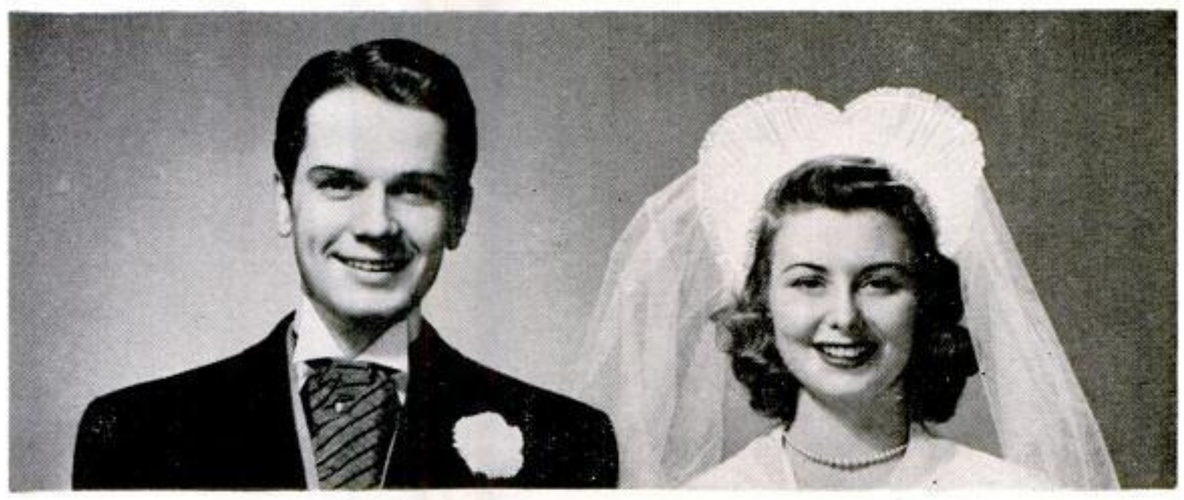
Don't be a "Grease Monkey" Let KREML Hair Tonic keep your hair well-groomed—soft, lustrous, handsome. KREML does away with that oily "gigolo" look.



Don't be a "Water Soak"! Frequent use of water washes away the natural oils, leaves hair wild and unruly. Use KREML to keep hair *neatly* in place, remove dandruff scales, relieve itchy scalp.



Don't Neglect Your Hair! Love laughs at shiny pates. Use KREML and massage—daily—to *check* excessive falling hair. KREML helps your scalp maintain a proper oil balance without being greasy.



"Heading" for a Wedding! . . . with KREML-groomed hair! KREML helps keep scalp clean, removes loose dandruff, checks excessive falling hair. *Moral:* Use KREML and massage every day!

Ladies! **KREML keeps coiffures lovely, lustrous. Conditions your hair both *before* and *after* permanents.**

Hair-care Combination: **KREML Hair Tonic *and* gentle KREML Shampoo (made from an 80% olive oil base) that cleanses thoroughly, leaves your hair more manageable. *At drug counters and barber shops.***

DON'T USE WATER  ***USE***

KREML

Good Housekeeping Bureau

REMOVES DANDRUFF SCALES
CHECKS EXCESSIVE FALLING HAIR
NOT GREASY—MAKES THE HAIR BEHAVE

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PRESS—*It's Lit!* RELEASE—*It's Out!*

"RONSON Lighters make impressive, useful, lasting gifts. And **YOU** can afford 'em" *Santa*



For Mother—an exquisite silver-plated RONSON Table-Lighter! And no more match-scorched linen.



For that Someone you love in the Service, a windproof RONSON Whirlwind or a PenciLiter—perfect!



To spare Dad his usual match-hunt, one of many RONSON Touch-Tip and Cigarette Box combinations.



With her new RONSON Lighter-cigarette-case-vanity combination—Sister will "go to town."



"Fix up" Brother with a smart RONSON Lighter and cigarette-case combination. Some Christmas present!



For Uncle and Aunt one of the many stunning RONSON Touch-Tip Table-Lighters—months of service on one fueling.

Yes, there's a RONSON Table-Lighter for every room in the home and RONSON Lighters in a wealth of styles and combinations for handbag and pocket. Decorative, safe, clean. Priced to suit every pocketbook. At jewelers, dept. stores, gift and smoke shops, etc. Make this a RONSON Christmas for your family and friends.

★ BUY DEFENSE BONDS ★

RONSON

WORLD'S GREATEST LIGHTER

OVER 10,000,000 RONSONS HAVE BEEN SOLD

LIFE'S REPORTS

(continued)

As it is at last beginning to recognize that the U. S. cannot forever play ostrich in the sands of world events, the Midwest is re-evaluating Roosevelt, if for no other reason than that he has demonstrated that he is a tough, shrewd man—in a world dominated by tough, shrewd men. Many of those who once violently attacked him now join the chorus which says: "Well, he is still the President of the United States."

A last war veteran who now heads a big corporation making armaments recently summed up the majority feeling in the Midwest:

"I've thought it all over," he said, "and I'm just about convinced that we'll have to get into it now and hope that eventually the world will be a better place to live in. But when and if we go it won't be for love of the British who are always getting into trouble and shouting for help but because



CROWD OUTSIDE THE GOSPEL TABERNACLE AT FT. WAYNE

we are motivated both by idealism and realism. In other words we think it may take ten years and it may change our entire way of living but if there has to be one top dog in this world we are going to be that top dog and not Adolf Hitler."

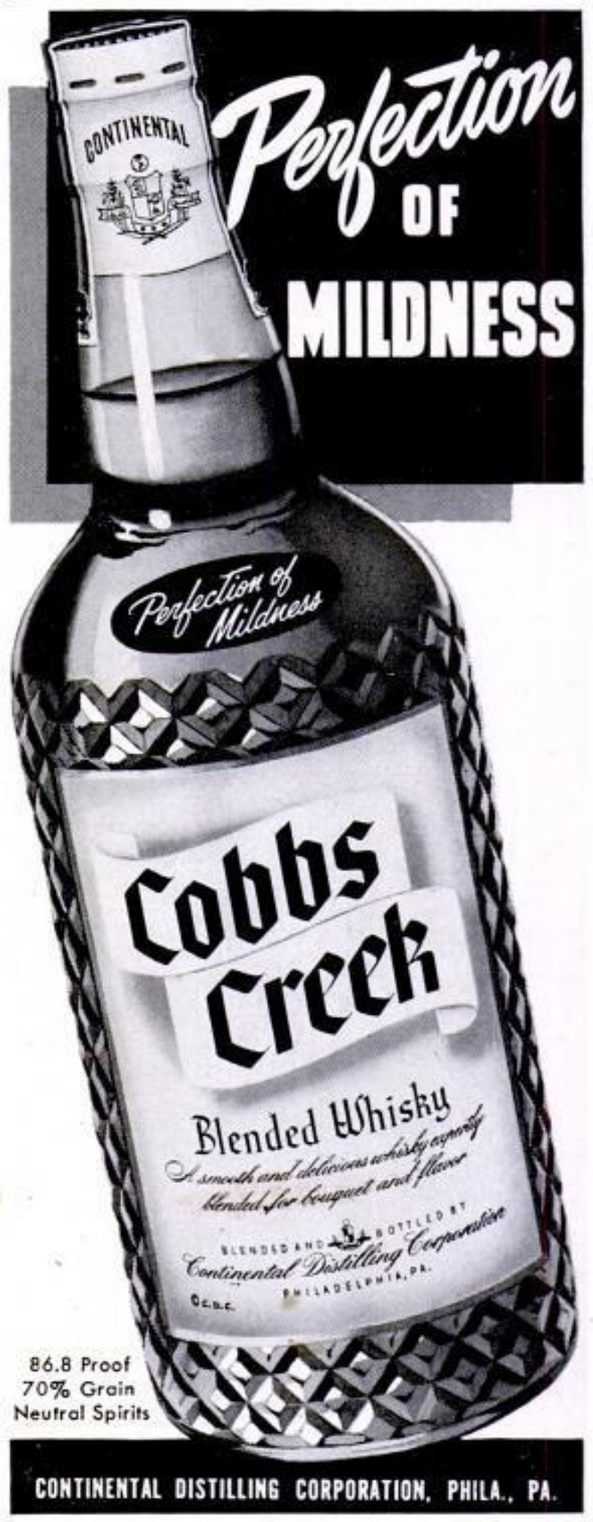
Throughout the Midwest there are an increasing number of people who talk and think that way today. What still holds them back is the knowledge that war means leaving shiny new cars and chicken dinners behind on a road that has as yet no definite signs to show where it is heading. Yet when the chips are down every small town in the Midwest boasts it will have a higher percentage of volunteers than Eastern cities and it knows there will be co-operation—or else—in forging a war machine such as the world has never seen.



WITH *Genuine* SPARKLET SYPHON and BULBS

Makes freshly charged club soda at home... whenever you need it.





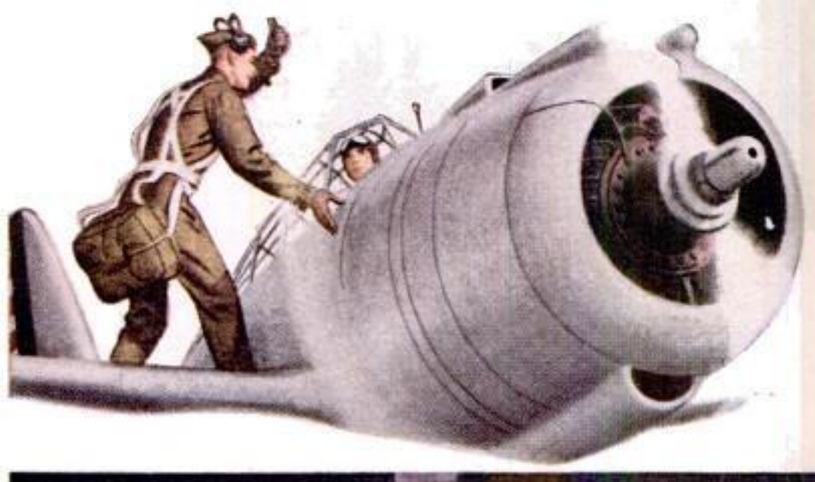
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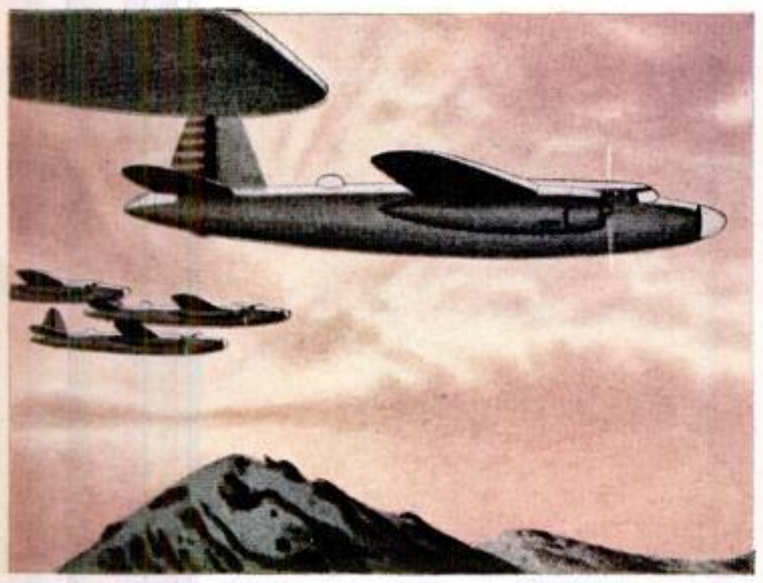
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Like Uncle Sam's Newest Planes

Mercury Has More Power Per Pound!

You'll Thrill To The Style, Economy and Surging Power Of This New And Different Airplane-Engineered Car!





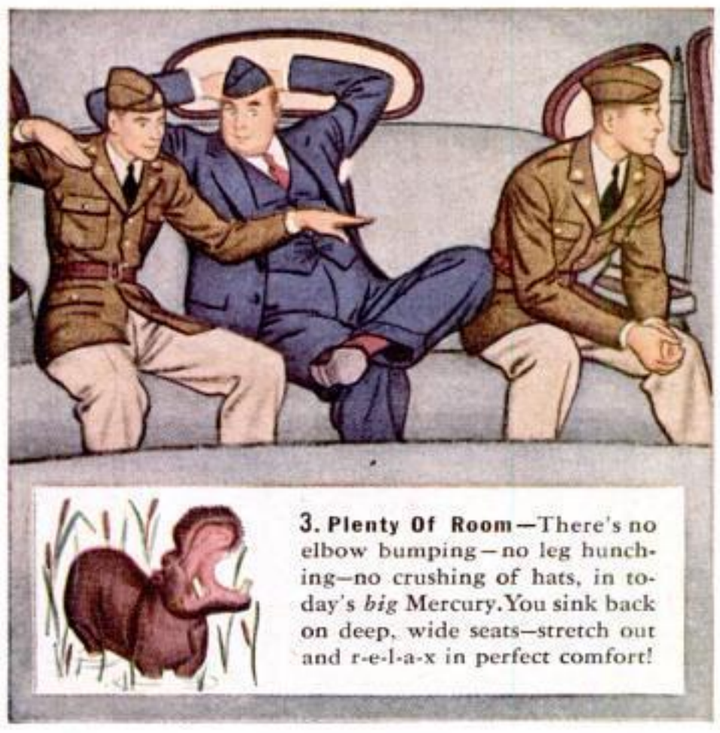
1. Mercury Is Airplane-Engineered—Like the new Army planes it is streamlined from core to outward line, **free from excess weight, and has** *more power* ***per pound*** **than most other cars.** You instantly **notice the difference in flashing** pick-up—greater **responsiveness at all speeds!**





2. A Truly Beautiful Car—Mercury's imposing front grille—longer, lower lines, smart colors, distinctive appointments and luxurious fittings—all blend into beauty and grace that will thrill your **pride for a long, long time.**





3. Plenty Of Room—There's no elbow bumping—no leg hunching—no crushing of hats, in today's *big* Mercury. You sink back on deep, wide seats—stretch out and r-e-l-a-x in perfect comfort!



4. Built To Serve U. S.—Reconnaissance cars . . . airplane engines . . . complete bombers and tanks . . . constitute only a part of the Ford Motor Company's tremendous contribution to national defense.

TO SEE IT and drive it, you'd never guess the luxurious new Mercury is a stand-out *economy* car. But Mercury is airplane-engineered . . . *streamlined from the inside out* . . . and built of highest-quality materials for long life and unusual "big car" performance at low cost. You get the smooth, brilliant "drive" of a 100-horsepower V-type 8-cylinder engine. You get an all new kind of gentle "sky-ride" made possible by longer, slow-motion springs and improved shock absorbers. And Mercury combines a lower center of gravity with wider tread, for better traction on curves and wet roads. Step up to *Mercury* for 1942 . . . drive a car you'll be proud of in the years to come.

Mercury 8

THE AVIATION IDEA IN AN AUTOMOBILE

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*Because the Nor-East Non-Crush fabric fights off wrinkles, springs right back into fresh shape—ties into a smart knot time after time.

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You'll see their style

The smart people at Wembley Style Institute originate the patterns that other ties are patterned after!

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He'll see their stamina

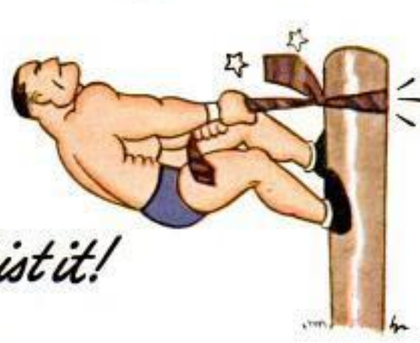
Just be sure to get Wembley Nor-East Ties—the original Non-Crush fabric that Americans made the world's fastest-selling necktie!



Wembley NOR-EAST Ties

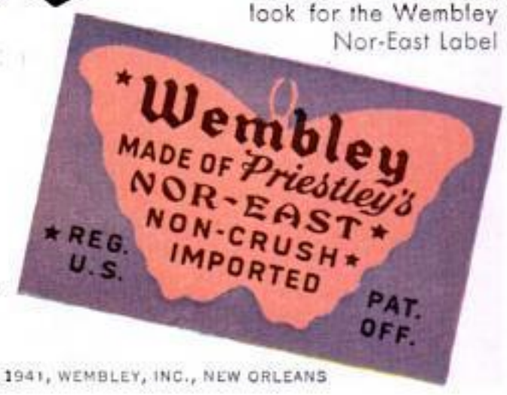








To be sure it's a genuine Non-Crush Tie, look for the Wembley Nor-East label



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Vol. 11 No. 22

LIFE

REG. U. S. PAT. OFF.

December 1, 1941

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LIFE's Photographer George Rodger sits beside Abdullah Ibn Hussein, the Emir of Trans-Jordan, in the picture above, enjoying a rare quiet moment in his hectic coverage of the Middle East. For the story of the Emir Abdullah, see pages 67-70.

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How to wrap him around your little finger



This cake works wonders with men—and it's so easy to make, too!



Win compliments and influence hungry males! It's easy as writing your name when you treat them to that perennial dessert favorite of men—layer spice cake made with tender, luscious, sun-ripened Sun-Maid Raisins!

Most housewives know that plump, juicy Sun-Maid Raisins are ready for instant use—that they have no seeds and require no washing.

The pre-digested, non-fattening fruit sugars in Sun-Maid Raisins supply quick energy; their generous iron content makes good red blood. Too, Sun-Maids contain Vitamins A, B and G.

P. S.—"Penny Sun-Maids": now at your grocer's. Take the pennies of your change in handy packages of new "Penny Sun-Maids"—ideal for box lunches and between-meal snacks.



Send for my 54 recipes . . free

MAIL THIS COUPON NOW

Clip and mail this coupon today for 54 delicious recipes made with sun-ripened Sun-Maid Raisins from California's finest vineyards. Address Sun-Maid Raisin Growers Association, 2809 Hamilton St., Fresno, California.

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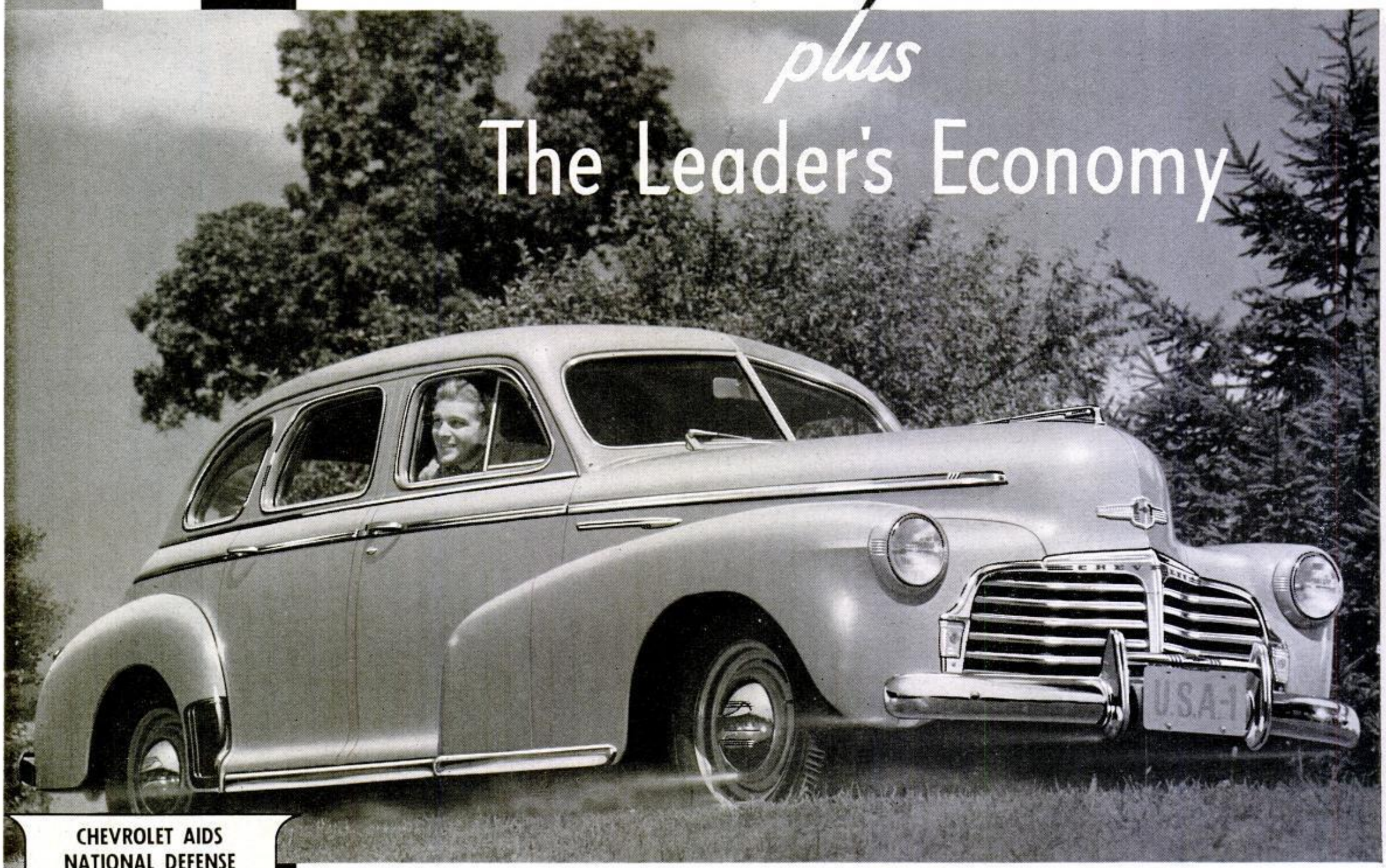
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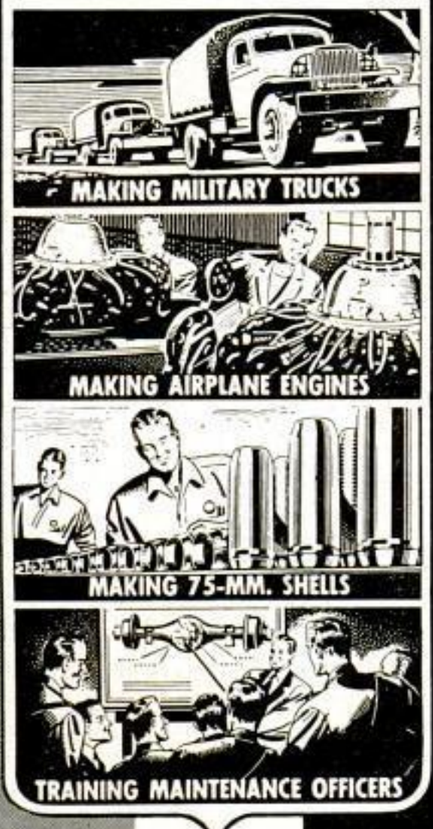
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LIFE

Vol. 11, No. 22 December 1, 1941



Solidarity in Pike Patch, Pa.: the Muti and Bucci families see eye to eye on the strike. Dominic Bucci (*right*) is one of 53,000 miners who walked out of the captive mines early last week. His neighbor, Louis Muti, participated in the subsequent happy-go-lucky sympathy strike of the commercial miners. Said Miner Muti: "I want to help my neighbor."

LEWIS CALLS OFF HIS COAL-MINE STRIKE IN RESPONSE TO PRESIDENT'S FINAL PLEA

On the afternoon of Nov. 22 John L. Lewis and his United Mine Workers agreed to terminate the coal strike that for a week had infected the nation's defense effort with slow paralysis. With infinite complacency the man who had plunged the U. S. into the greatest labor crisis of modern times declared: "The U. M. W. and its membership are happy to make this contribution in the public interest." He and his union would accept arbitration of the union shop issue and would abide by whatever decision was reached.

Thus the victory went to President Roosevelt who, preserving his temper and withholding his hand, had addressed one final entreaty to his stubborn adversary. But it was also a victory for public opinion. For by the end of last week John L. Lewis' strike had spun itself into a noose that seemed neatly designed for his own size-17 neck. Congress was only waiting a word from the President to draw it tight. Of 350,000 miners in coal diggings throughout the East, 217,000 had struck. The fires of rearmament faced imminent extinction. Sixteen blast furnaces had been banked. Steel production was off 20%.

Here at last, the nation knew, was the showdown which many a friend and foe of labor had long awaited. Three times Lewis had rejected Presidential pleas to subordinate his own ends to national defense. He had responded impudently, arrogantly. It was evident, even to Lewis' own followers, that he had come to believe himself bigger than the Government. From coast to coast laboring men and labor sympathizers were damning their former leader. In Washington the clamor for action grew deafening. There was no question that the President, whatever stern step he might select, would have the U. S. solidly by his side.

Yet the President waited. As a student of history he knew that other Presidents had ended other strikes with force. His task now was not simply to break a strike. It was to reach an equitable solution that would embitter none of the millions of workers on whom war production depends. By achieving a peaceful settlement his victory was far happier than a victory imposed by troops. But one great question still remained. What would his future attitude toward defense strikes be? The nation was tired of patchwork remedies. It wanted above all else a long-range national policy that would crystallize labor's relation to the Government for the duration of the crisis.

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SCORES OF EMPTY COAL CARS LIE RANGED ON TRACKS AT THE HEAD OF U. S. STEEL'S CAPTIVE MINE, COLONIAL NO. 3



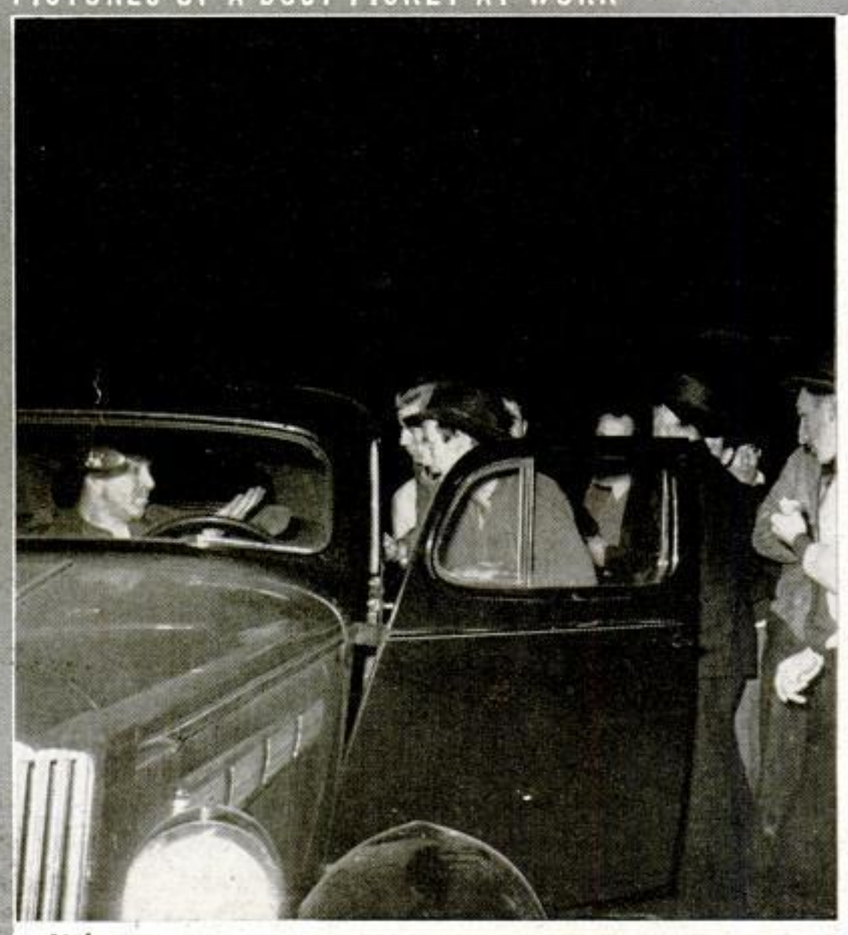
COKE OVENS IN STRIKE AREA BURN NEGLECTED, WASTING

FOR SIX DAYS MINES STOOD IDLE AND PICKETS CLASHED

The panorama of last week's coal-mine strike was little different from that of a hundred industrial conflicts that have raged in the coal fields of the Eastern States since the middle of the last century. Yet the pictures on these pages are historic, because they outline incidents leading up to the showdown between John L. Lewis and the Government of the U. S. As a result of that showdown, this pattern of events may imminently disappear from the American scene.

Work stoppage began slowly on the morning of Nov. 17 and was limited at first to the captive mines. Even there it was far from complete. In the Red Lion Mine of the Henry C. Frick Coke Co., a subsidiary of U. S. Steel, half the morning shift reported for

PICTURES OF A BUSY PICKET AT WORK



At 4 a. m. on Nov. 18 pickets met outside U. S. Steel's Red Lion Mine. Here Picket Bill Wright orders miner in car to drive home.

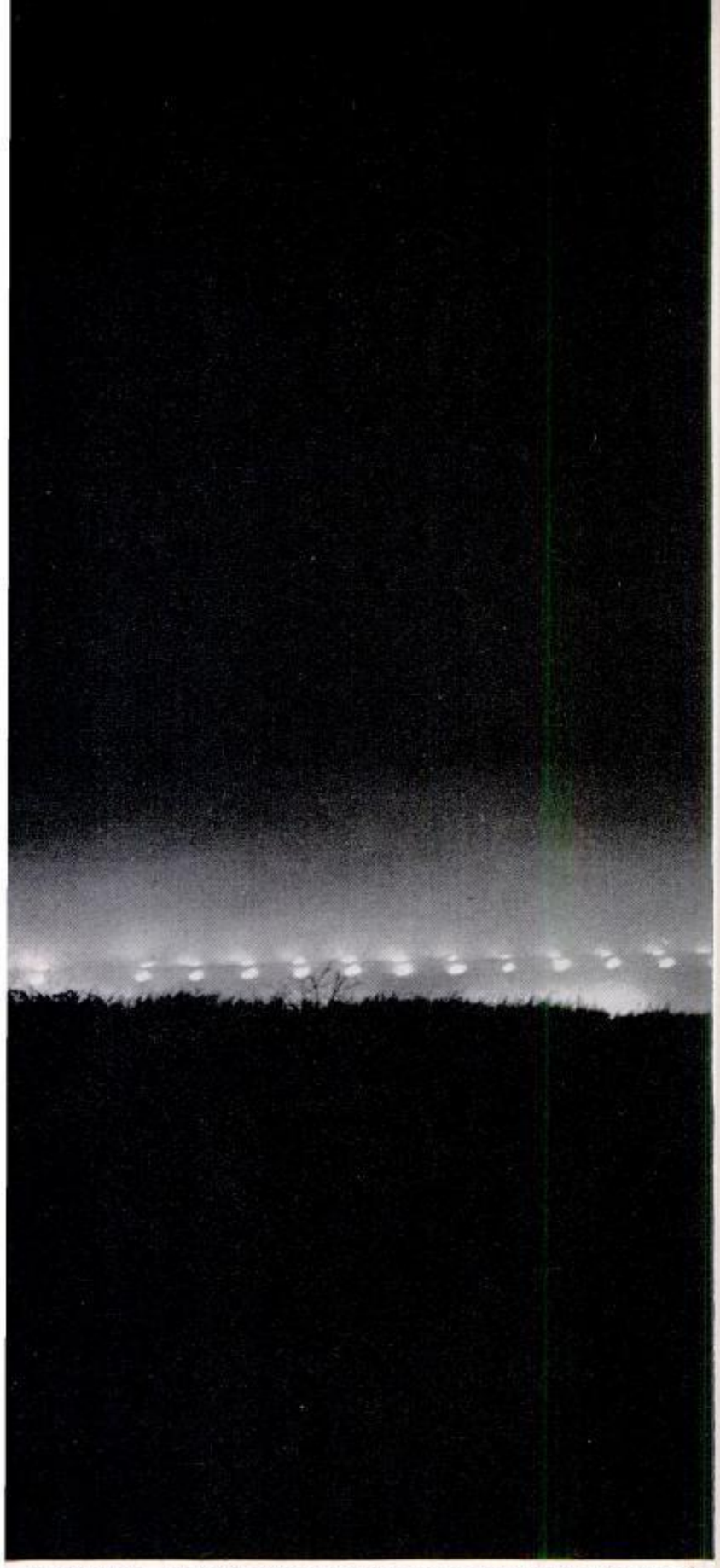


Firmly and none too gently a miner reporting for work is hustled away from shaft head. Wright (*center rear*) yells advice.



Another car is halted and turned away from mine by mass persuasion. Here Wright (*left*) lets others do the talking.

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SOFT COAL. ATTENDANTS WALKED OUT IN SYMPATHY STRIKE



MEN REPORT FOR WORK AT RED LION SHAFT ON FIRST DAY OF STOPPAGE. MANY LATER OBEYED THE STRIKE ORDER

work as usual, passing silently between small groups of passive pickets. Then, as picket lines grew, enthusiasm for work began to wane. Solid masses of strikers convened at doubtful mineheads and turned away renegade unionists who approached in cars or on foot. Arguments turned into fights, and the sound of gunfire was heard in Western Pennsylvania and West Virginia.

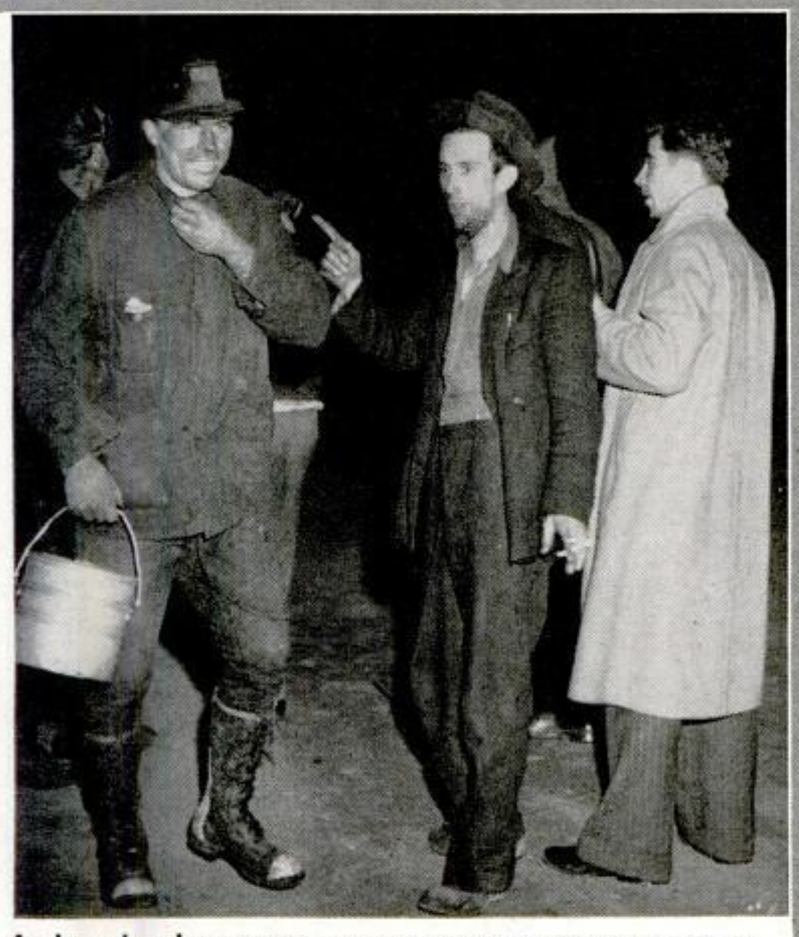
As the week progressed, the stoppage spread to commercial mines. Thousands of miners covered by satisfactory union-shop contracts struck in sympathy with their colleagues in captive pits. On the morning of Nov. 21 nonstrikers hid in slate piles near the Frick mine at Edenborn, Pa. and ambushed assembling pickets. Rifle, revolver and shotgun fire flashed in the darkness, wounding eleven men. No law-enforcement agency intervened. Edenborn has no police force. And Pennsylvania's Republican Governor James, evidently preferring to let the Federal Government stew in its own industrial juice, ordered State police to keep hands off. No one doubted, as the strike abruptly ended, that more blood would have been spilled before another dawn.



Lending an active hand, Picket Wright, now fortified with cigaret, helps a miner make up his mind.



A State trooper shows up at 6:30 a. m. and commands Bill Wright and his fellow pickets to form an orderly line and stay off State highway.

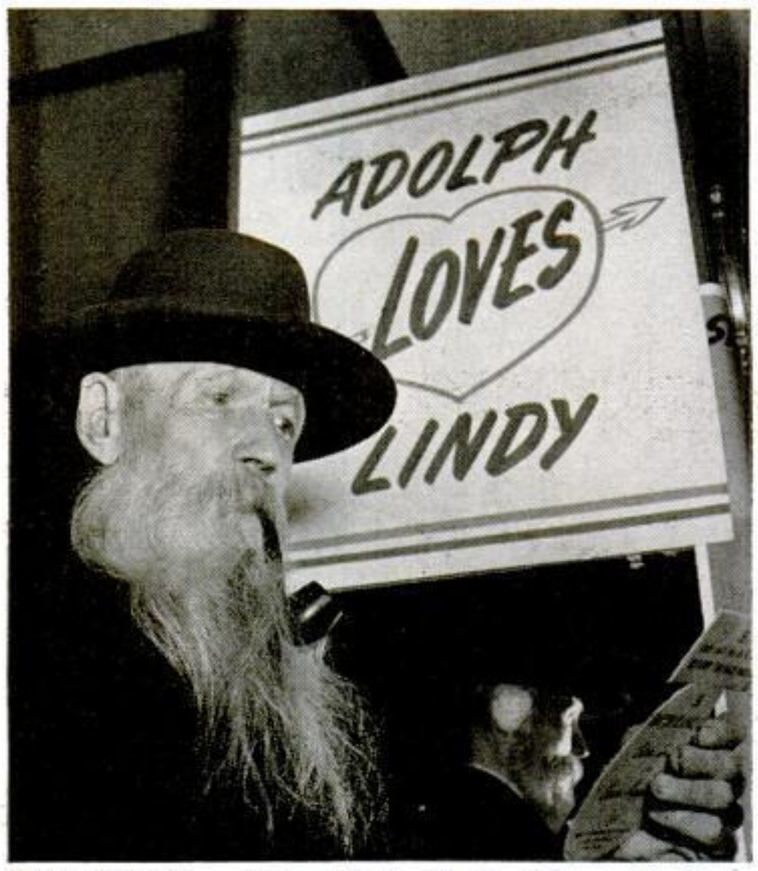


As dawn breaks, Wright, weary from his night's work, urges a stalwart miner to return home. The miner is not persuaded.

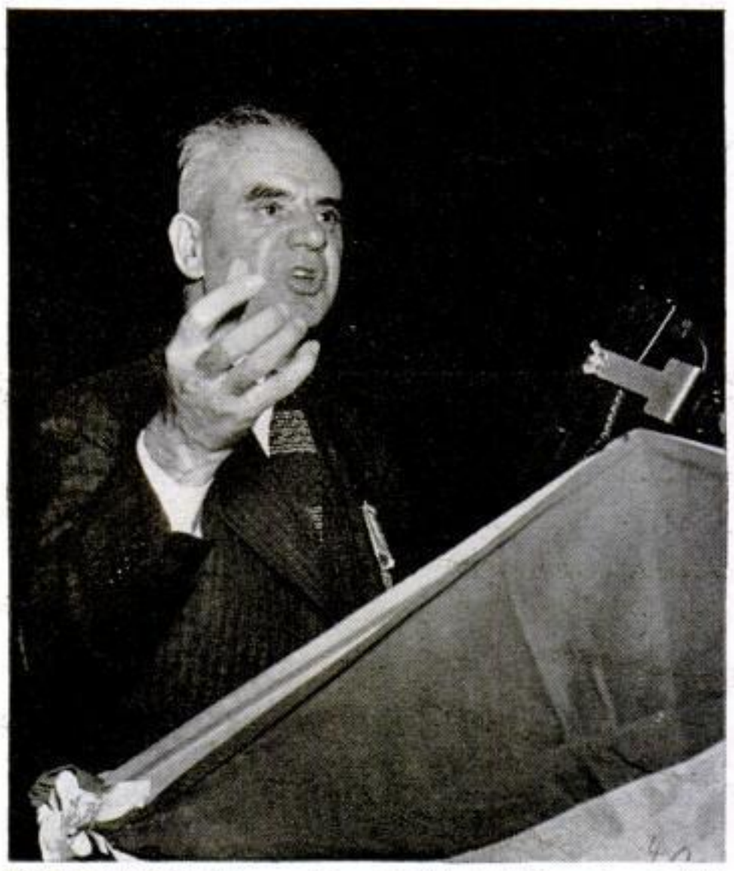
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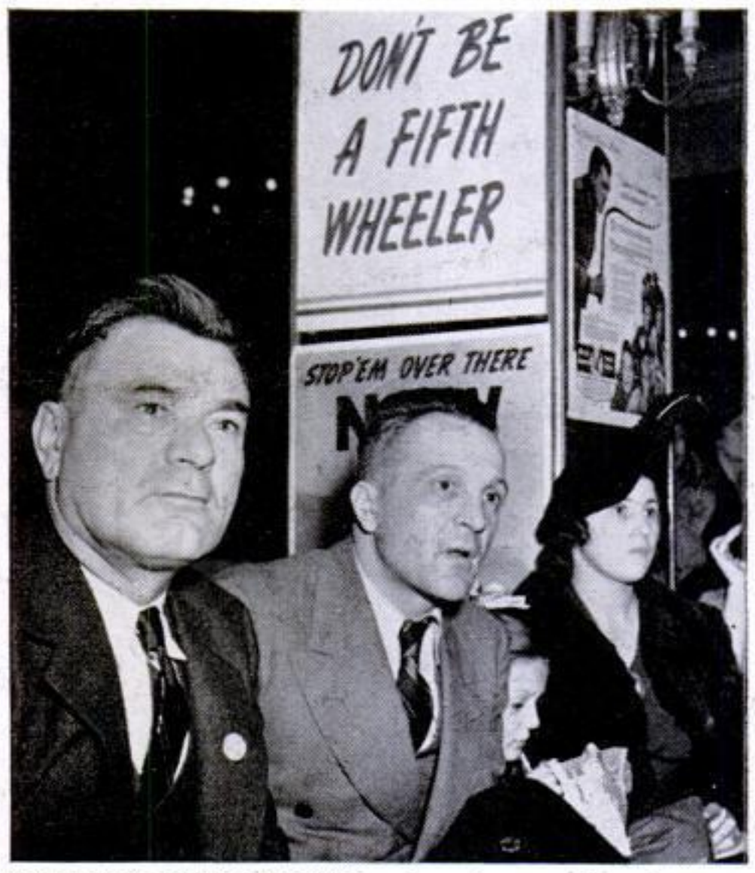
Kathryn Lewis and A. D. ("Denny") Lewis, daughter and brother of John L., found themselves much in the minority at C.I.O. convention. Kathryn's plea against U. S. war participation was ploughed under. The tactics of Denny Lewis' construction workers union were condemned. And Denny was accompanied everywhere by strong-armed henchmen.



Oldest delegate was Miner T. J. Smith, 79, of Graysville, Tenn. He has represented his local at 51 national labor conventions.



C.I.O. President Murray defended his administration, called those who charged him with personal ambition "filthy liars."



Anti-isolationist sentiments dominated convention. Support for President Roosevelt's foreign policy was overwhelming.

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LEWIS LEADERSHIP IS REPUDIATED BY C.I.O. CONVENTION IN DETROIT

When the C.I.O.'s fourth national convention met in Detroit Nov. 17, the nation wondered above all else how cogent an influence John L. Lewis continued to exert on the organization he had brought into being. The answer, when the convention adjourned at week's end, was unmistakable. By acclamation delegates had re-elected President Philip Murray, long at odds with Lewis on foreign policy. By unanimous vote they had adopted a resolution favoring all-out aid to the Allies. Lewis' brother, Denny, was booed on the floor. Observers who sought to read allegiance to Lewis in the convention's avowed support of the captive coal-mine strikers overlooked the fact that the union shop—for which the miners struck — has long been the holy grail of organized labor. It was impossible for the convention to condemn a quest for that historic aspiration. But the sentiment of the C.I.O. toward its embattled founder was clearly reflected in the recurrent fist fights between Lewis supporters and the pro-Murray majority. It was most notably reflected, perhaps, in the significant fact that John L. Lewis himself did not appear.



Lewis faction remains glumly seated as Chairman Murray calls for an affirmative vote on resolution backing the Administration's foreign policy. At right center, indifferently reading newspaper, is Denny Lewis. He and his mates also kept their chairs when Murray asked negative voters to rise. Thus, for the record, the vote was set down as unanimous.

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LIFE ON THE NEWSFRONTS OF THE WORLD

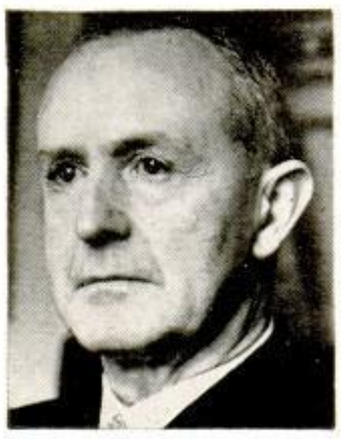
British open "second-best front" in hot Libyan desert as Nazis smash at Moscow in winter gales

Last week the toil and sweat, though not the blood and tears, of American workingmen and management bore fruit 5,500 miles away from the factory door in the simmering heat of the Libyan desert. For the second time in the war the British had launched an offensive on land. For the first time they were largely equipped with American tanks and planes.

Although the Libyan battleground was an old one, the circumstances were new. This time the British faced Germans as well as Italians. This time the British had superiority in men, tanks and planes. To the "law firm" of Cunningham, Cunningham & Coningham was entrusted the best fighting force that the British have had since Dunkirk. Lieutenant General Sir Alan Gordon Cunningham, who drove the Italians out of Ethiopia, had the Eighth Army of about 125,000 men. His brother, Admiral Sir Andrew Browne Cunningham, who has practically driven the Italian Fleet off the Mediterranean, was in command of the Fleet. Air Vice Marshal Arthur Coningham, an Australian, had some 500 planes at his command and correspondents noted the relative absence of Axis planes.



CUNNINGHAM (A.)



CUNNINGHAM (A. B.)



CONINGHAM

Attacking at dawn, fast British armored columns streaked across the Egyptian-Libyan frontier, penetrating 50 miles by scooting around Axis strong points like Salûm, "Hellfire" Pass and Sidi Omar. "The desert army may add a page of history which will rank with Blenheim and with Waterloo," said Winston Churchill.

Next day the British raced ahead another 30 miles, with one unit of armored cars capturing the Rezegh airfield ten miles from Tobruch whose British garrison, besieged since April, broke out into the clear. It was only on the second and third days that British and Axis tanks collided in a stern test for American-made equipment. The British claimed to have smashed 57 Italian and 130 German tanks while losing only some 65 themselves.

Although this new British show was not the "second front" the Russians have been hoping for, it was, as the Soviets phrased it, "the second-best front." It would not take the pressure off Russia that a British invasion of Europe would, but, if Hitler tries seriously to re-inforce his Libyan army, some strain on the Soviets would be removed.

At week's end the Axis gave no sure sign of how stubbornly they planned to defend Libya, but a further measure of Berlin's concern was the dismissal of General Maxime Weygand whose bailiwick borders on Libya. As Weygand's attitude toward Germany was doubtful, his ouster was interpreted to mean that the Germans were planning either to retreat into Tunisia or send supplies to their army through its ports.



NAZIS FIGHT "GENERAL WINTER" IN RUSSIA

Stalin as Host. Last week as the Russian-German war entered its sixth month, the Nazis again made appreciable gains. They captured Kerch and Rostov, two of the "spigots to the oil barrel" of the Russian Caucasus. Before Moscow they launched their sixth and greatest push, breaking through at Tula to the south and at Volokolamsk, 65 miles to the capital's west. Russians claimed some of the Germans were fighting in women's fur coats for lack of warmer clothing.

At the vortex of this turmoil, "the like of which the world has not yet seen," was Joseph Stalin. Last week more light was cast on this once inscrutable shadow. Wallace Carroll, who recently represented the U. P. in Moscow, revealed that at a Kremlin banquet in October for American and British military missions the atheist dictator raised his glass to President Roosevelt and said in a toast: "May God help him in his task." Between 30 and 36 other liquid toasts were drunk. At the end of the banquet, Stalin turned to his guests and announced: "The lavatory is on the left." Then, in English: "Good night."

●

Army Fires Businessman. For the first time during this emergency, the U. S. Government forced the removal of a corporation executive from his own company. The man who got the gate was F. Leroy Hill, president of Air Associates, Inc. of Bendix, N. J., maker of plane parts. Last month the Army took over the Air Associates plant after labor disturbances disrupted production. The Army blamed the disturbances on President Hill who had been at odds with the National Defense Mediation Board. Having been forced to fire Hill and two other executives, Air Associates' board of directors began looking around for another man to take over. When it finds a man that it likes, the Army plans to give the plant back to its owners.



HILL

●

No More Neutrality. All the while the U. S. was stewing over repeal of the Neutrality Act, the U. S. Navy was sitting on a fine belligerent secret. On Nov. 6 in the South Atlantic the U. S. cruiser *Omaha* hailed a suspicious freighter which bore the American flag and the name *Willmoto*. When a cruiser's launch was lowered to board the freighter, her crew promptly tried to scuttle her. At great risk, the *Omaha*'s men saved her and took her into port. Once safe in Puerto Rico the Navy let out the story: the ship was the German *Odenwald*, with a cargo of valuable rubber, trying to run the blockade under false colors.

Next day the President signed Neutrality Act amendments and the country waited for something to happen. First news was an announcement from Pan American that its Clippers would once again fly the northern Atlantic route direct to the British Isles, a route which in 1939 had been abandoned for the longer, slower southern route to Lisbon. By next spring the Clippers will go from New York, via Botwood, Newfoundland, to Foynes, Ireland. Some time after, Pan American hopes to be flying its new four-engined, high-flying Lockheed land planes. As big as the Clippers and 100 m.p.h. faster, the Lockheeds will fly non-stop from New York to Foynes in 15 hours at top speed of 285 m.p.h. Pan American passengers, looking below, will probably see U. S. ships being convoyed by U. S. warships. Maybe they will see U. S. patrol planes guarding the seas from bases in Northern Ireland.

●

Chivalry. A sidewalk concessionaire in Berlin last week pasted a caricature of the wife of the President of the U. S. to a wall on the Friedrichstrasse and charged passers-by 8¢ for the chance to throw three balls at Mrs. Roosevelt. Proceeds from the "game" go to German winter relief.

PICTURE OF THE WEEK

One day last week the sky was blue over Pope Field, N. C. Mechanics and pilots of the Blue Air Force, fighting the Reds in Carolina maneuvers, looked up, nervously wondered if it weren't swell weather for a parachute attack. Suddenly the alarm sirens began to shriek. From the South roared squadron after squadron of Red pursuits and attack bombers. Flying low, they raked Pope Field with machine-gun fire and fragmentary bombs. Right after them came 42 huge Douglas transports, carrying more than 400 parachutists. Down through the blue sky floated white chutes carrying the men, red, blue, green and yellow chutes carrying TNT for demolition, mortars, rifles, tommy guns and machine guns. On the field when they landed was LIFE Photographer Eliot Elisofon, who took this picture.

After the parachutists had landed and supposedly taken the field, 42 transports coasted in bearing 400 air infantrymen. By the time they had landed, things were hot. Not knowing whether they had been declared dead by the umpires, both parachutists and defenders were fighting merrily. One parachutist knocked four teeth out of a mechanic's mouth. Others clustered around umpires, argued that the preliminary "bombing" should have destroyed the field's will to resist. In the middle of the excitement, a homing pigeon was let fly. It reported two hours later at Major General Oscar W. Griswold's Red headquarters that Pope Field was now in Red hands.

This parachute attack was the most spectacular event of the sham battle between Lieutenant General Hugh A. Drum's First (Blue) Army and Major General Griswold's Fourth (Red) Army Corps. By week's end, it looked as if Drum had had all the better of the first phase of the battle. By a fluke the general himself had been captured by a Red unit on the first day of battle and had to be released by an umpire. But by clever reconnaissance work and by adroitly manipulating his tank-destroyer forces (consisting of self-propelled 75's, hundreds of anti-tank 37's, as well as engineers and plenty of both combat and observation aviation), he had managed to partially encircle both of the Red's famous armored divisions.

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In a sudden blizzard of parachutes, 400 Red soldiers drop on a Blue Carolina airfield

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THE TIDY DUTCH CLEAN UP THE MESS OF ROTTERDAM

The model of a perfect job of bombing an undefended city was Rotterdam. For two and a half hours on May 14, 1940, the German Luftwaffe systematically demolished an area of 1½ square miles in the heart of the city. Hardly a building was touched on either side but within the area scarcely a wall was left standing. Since then the tidy Dutch have labored mightily to clean up the mess. Result is shown above.

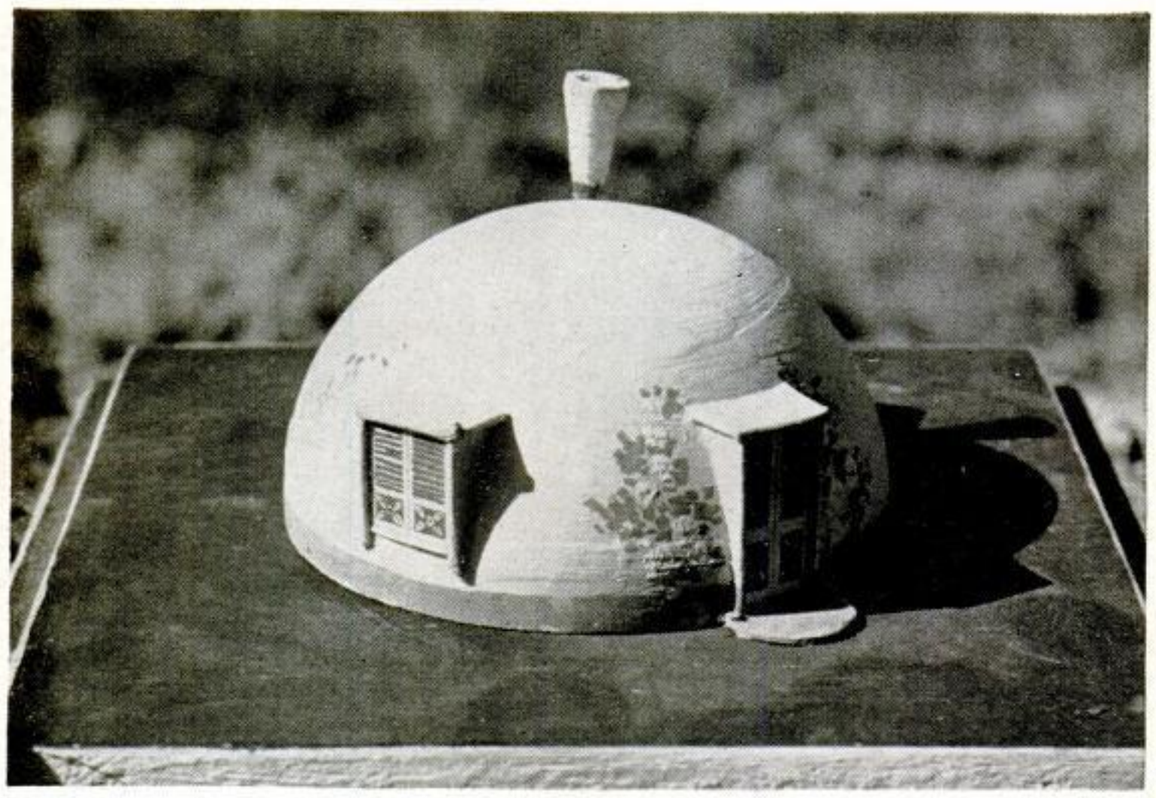
The church, the one building not flattened by the bombers, is the 500-year-old Groote Kerk, which used to stand among quaint old streets almost unchanged since the 17th Century. The picture was taken from the once-humming shopping street of the Coolsingel. On the near side of the four-story shell at

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right, beside the railway trestle, was the Groote Markt, and the birthplace of the great Dutch philosopher Erasmus. His statue has disappeared. The thin trickle of pedestrians is passing along what was once the busiest shopping street in Rotterdam, the Hoogstraat. Off to the right stood the Rotterdam Exchange and Chamber of Commerce. Just beyond the church stood the Old Town Hall and, to the left, the great library. The famous old Oostplein windmill in the right background is at the end of the Goudsche Singel, the important market street. In the left distance flows the River Rotte, whose damming gave Rotterdam its name. In this small unified area was everything that made Rotterdam a great city, home of 600,000 Dutchmen. Of these about 32,000 were blown to bits or burned alive on May 14, 1940. Rotterdam had already surrendered when it was bombed. The pre-arranged signal of surrender, a red flare, was ignored by the German bombers, which returned again and again. The German Air Force needed Rotterdam as a test case and an example to the other cities of Europe.

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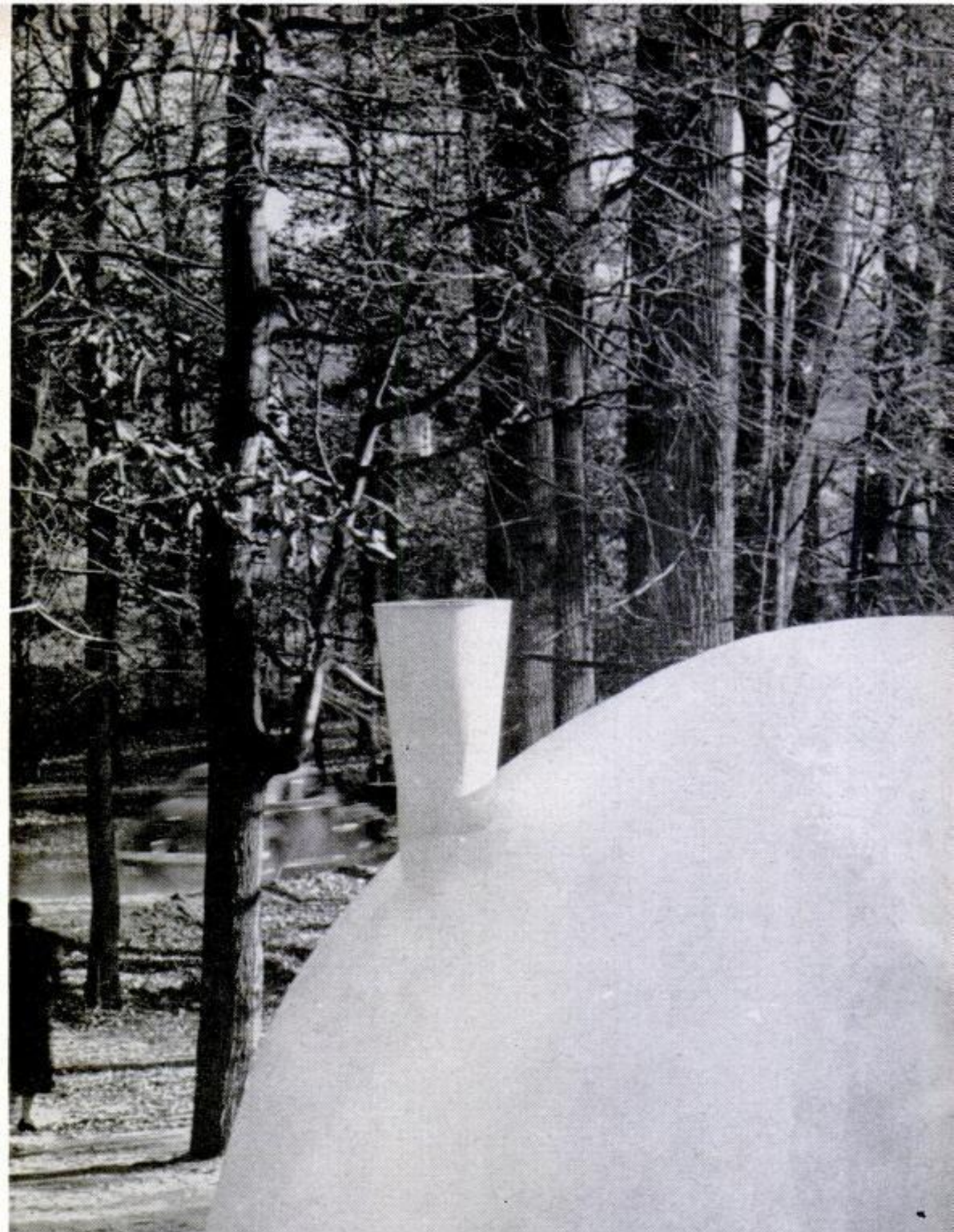


This is model of a one-dome "bubble house" of concrete sprayed over balloon. Such houses could be made quickly and in vast numbers to shelter war-evacuated populations of U. S. cities.

BALLOON HOUSES DESIGNED FOR DEFENSE WORKERS BLOOM UNDER VIRGINIA TREES

On Horseshoe Hill, Fairfax County, near Washington, a mushroom village of odd little white houses has sprouted in recent weeks. Some are hemispherical (*see photograph at right*), some barrel-shaped, oblong, round-topped. The most remarkable fact about the house shown here, however, is the way it was made. Its two domed wings are shells of "gunite" (concrete applied under high pressure with a special "gun") sprayed over a rubber-and-canvas balloon. When each shell is dry, the balloon is deflated, removed and used to build another house. One like this, which was built by the Defense Homes Corporation of RFC, costs less than $3,000. It is fireproof, termite-proof, bomb-splinter proof, and, best of all, uses almost no critical materials. (There are only 15 lb. of nails in this house, and they could be eliminated.)

The idea of spraying a house around a balloon was worked out by famed Hollywood Architect Wallace Neff, who designed "Pickfair" and homes for Joan Bennett, Louis B. Mayer, King Vidor. A letter from Vidor to Jesse Jones helped Neff get Government funds for his scheme. Now defense housing officials are talking about colonies of "balloon houses" (also called "bubble houses" and "igloos") in defense areas and around cities that might have to be evacuated in air raids. The Army is considering a tent shelter of concrete that can be built as cheaply as a canvas tent. The idea can also be applied to barracks, hangars, bombproof shelters, concrete barges. Meanwhile more than 5,000 visitors to Architect Neff's strange houses have caused traffic jams for miles around.



DOUBLE BALLOON HOUSE WITH CONNECTING FOYER CONTAINS LIVING ROOM 14 x 23 FT.



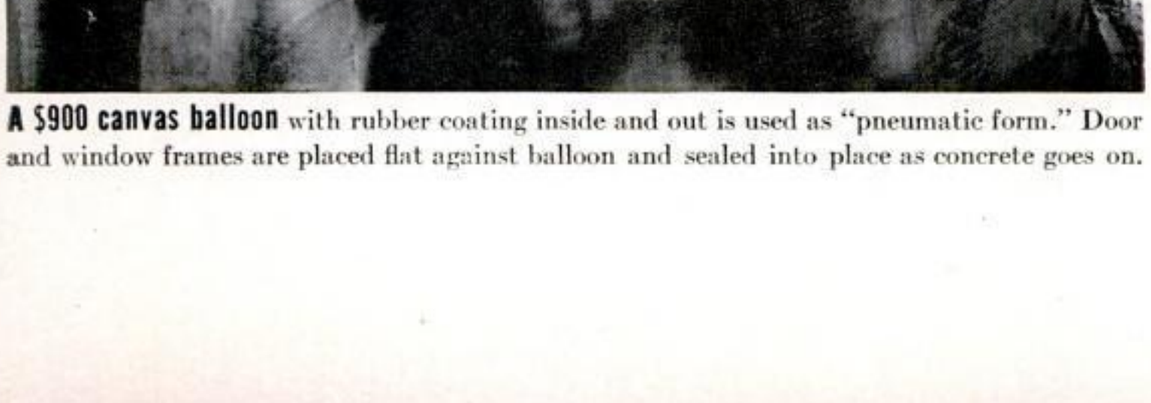
Ring-shaped foundation of the balloon house is 6 in. below the frost line. A 3-in. concrete floor is laid over a 3-in. gravel base. Wood flooring is laid last, after the wiring and pipes are installed.



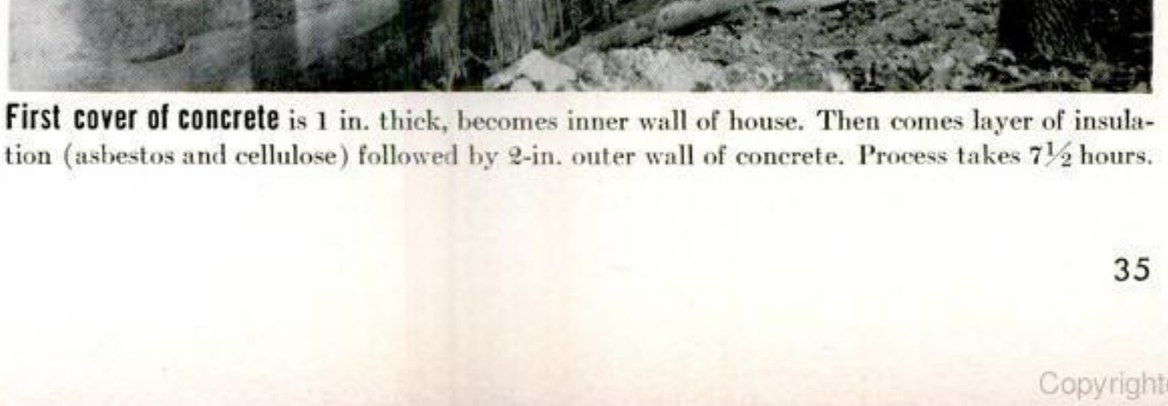
Balloon is made fast to circular foundation with ropes and iron bars. Air is pumped into balloon at 1½-lb. pressure by same compressor later used to apply concrete. The inflation time is 5 min.

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WITH BRICK FIREPLACE AND BOOKCASES, TWO BEDROOMS EACH 14 x 10 FT., KITCHEN 9 x 10, BATH 8 x 8 AND NINE CLOSETS. THE HOUSE USES GAS HEAT, HAS A BATH WITH SHOWER



A $900 canvas balloon with rubber coating inside and out is used as "pneumatic form." Door and window frames are placed flat against balloon and sealed into place as concrete goes on.



First cover of concrete is 1 in. thick, becomes inner wall of house. Then comes layer of insulation (asbestos and cellulose) followed by 2-in. outer wall of concrete. Process takes 7½ hours.

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ENVOY KURUSU IS GREETED WITH CEREMONY BY JAPANESE RESIDENTS OF SAN FRANCISCO ON HIS ARRIVAL NOV. 14. KURUSU'S WIFE IS FORMER ALICE LITTLE OF CHICAGO

JAPANESE BOW AND GRIN FOR THE CAMERA BUT GET NOWHERE IN WASHINGTON

Out of Washington last week came definite word that the U. S. is talking very tough to Japan. The talk went on between Special Envoy Saburo Kurusu, who had flown dramatically across the Pacific, President Roosevelt and Secretary of State Cordell Hull. By week's end, Kurusu's ears burned with the words that U. S. officials repeated again and again: "Watch out! You're on Hitler's list before we are!"

The "issues" between Japan and the U. S. are simple and clear. Japan wants the U. S. to stop helping China and Russia (at least via Siberia), and cease its economic restrictions against Japan. The U. S. answer is a flat "No." Worst of all, from Kurusu's standpoint, Americans do not even seem worried by the prospect of war with Japan, whereas the Japanese are worried stiff by the fear of war with America. The defenses of Manila and Hawaii are stronger than ever. The Navy is ready for action. At week's end, Saburo Kurusu suddenly called off his conferences at the State Department to do a little more thinking.



Kurusu got polite brushoff when he arrived in Washington Nov. 15. To meet him the State Department sent only Joseph Ballantine (*left*), in plain suit and soft hat. Center: Nomura.



Kurusu and Nomura (*right*) enter the White House with Secretary Hull. Kurusu signed Axis pact for Japan at Berlin in 1940, but is not considered pro-German. He is a career diplomat.

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Two unhappy subjects of the Emperor of Japan were Envoy Kurusu (*left*) and Ambassador Nomura. Here they are trying to look comfortable in big leather chairs in Diplomatic Waiting Room of the Department of State. When a Japanese laughs this hard he usually feels very low. When he is really happy, he tries to hide it. But a Japanese must always "save face."

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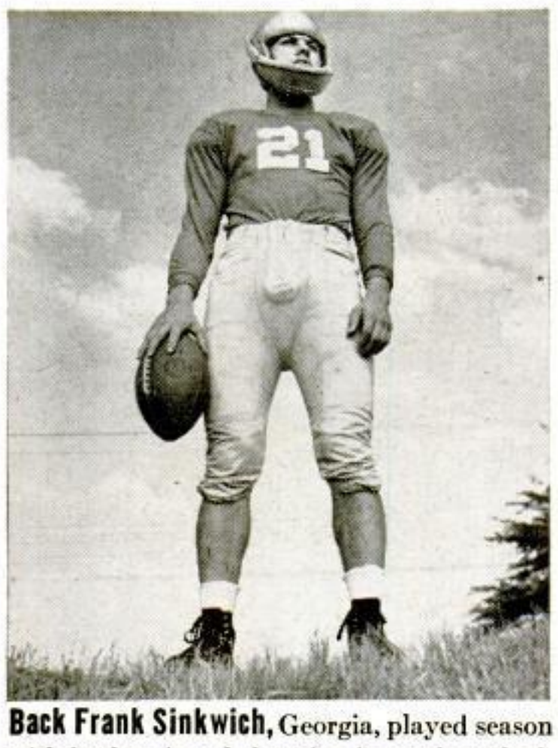
LIFE'S 1941 ALL-AMERICA

Listed at right are the 33 best college football players of 1941, picked for LIFE by top U. S. Sports Broadcaster Bill Stern of the National Broadcasting Company. These brilliant All-America stars led a huge field of some 12,000 players of some 700 football-playing colleges. To make his final selections Bill Stern relied on three things: 1) his own reporting of leading games this fall; 2) a game-by-game record of all outstanding college players; 3) a poll of sports authorities including the sports editors of NBC's 214 local radio stations from coast to coast, scientifically weighted to eliminate sectional prejudices. Not on LIFE's All-America squads but picked by Bill Stern for specific honorable mention are injured Center Don Snavely of Columbia and Northwestern's sensational sophomore substitute back, Otto Graham.

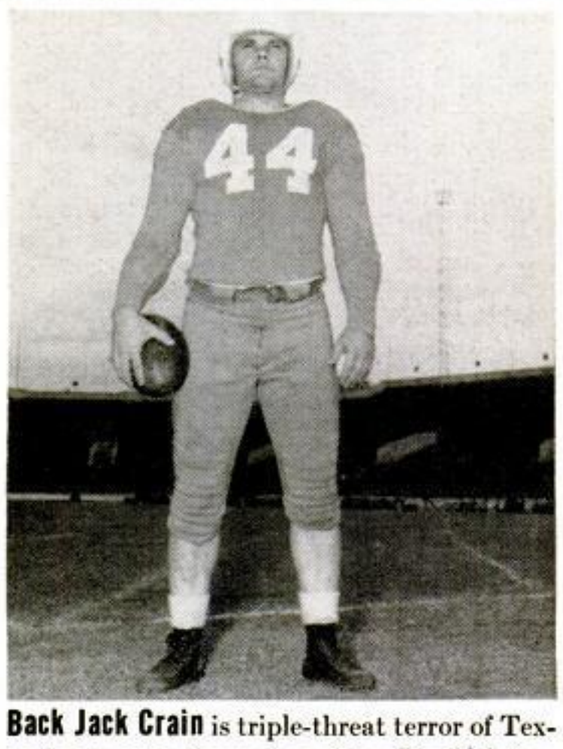


ACE BROADCASTER STERN

POS.	FIRST TEAM	SECOND TEAM	THIRD TEAM
E	HOLT RAST, *Alabama*	BILL HENDERSON, *Texas A. & M.*	JOE BLALOCK, *Clemson*
T	DICK WILDUNG, *Minnesota*	AL WISTERT, *Michigan*	JOHN WHYONIC, *Alabama*
G	RAY FRANKOWSKI, *Washington*	MIKE KARMAZIN, *Duke*	CHAL DANIEL, *Texas*
C	AL DEMAO, *Duquesne*	DAROLD JENKINS, *Missouri*	QUENTIN GREENOUGH, *Oregon State*
G	ENDICOTT PEABODY, *Harvard*	RALPH FIFE, *Pittsburgh*	URBAN ODSON, *Minnesota*
T	ALF BAUMAN, *Northwestern*	BOB REINHARD, *California*	PAUL LILLIS, *Notre Dame*
E	BOB DOVE, *Notre Dame*	MAL KUTNER, *Texas*	DALE GENTRY, *Washington State*
B	FRANK ALBERT, *Stanford*	STEVE LACH, *Duke*	HANK MAZUR, *Army*
B	JACK CRAIN, *Texas*	BILL HILLENBRAND, *Indiana*	BILL DUDLEY, *Virginia*
B	FRANK SINKWICH, *Georgia*	BILL BUSIK, *Navy*	STEVE FILIPOWICZ, *Fordham*
B	BRUCE SMITH, *Minnesota*	ANGELO BERTELLI, *Notre Dame*	BOB WESTFALL, *Michigan*



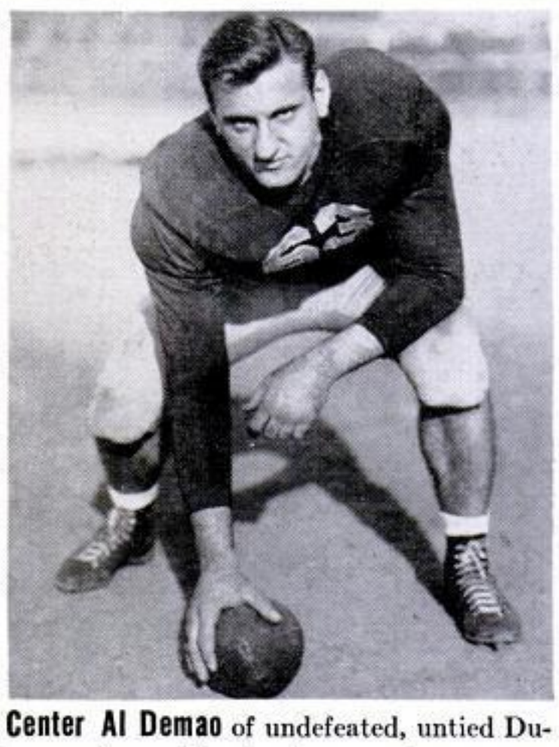
Back Frank Sinkwich, Georgia, played season with broken jaw, led nation in yards rushed.

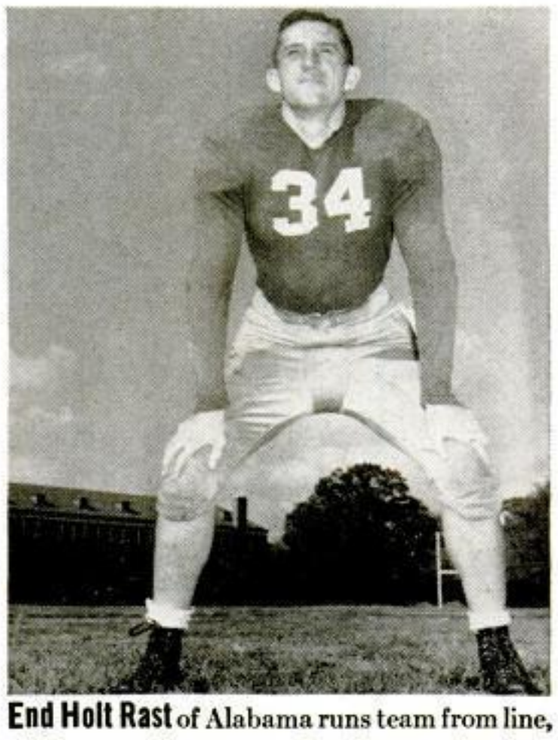


Back Jack Crain is triple-threat terror of Texas, team once boomed as Rose Bowl choice.

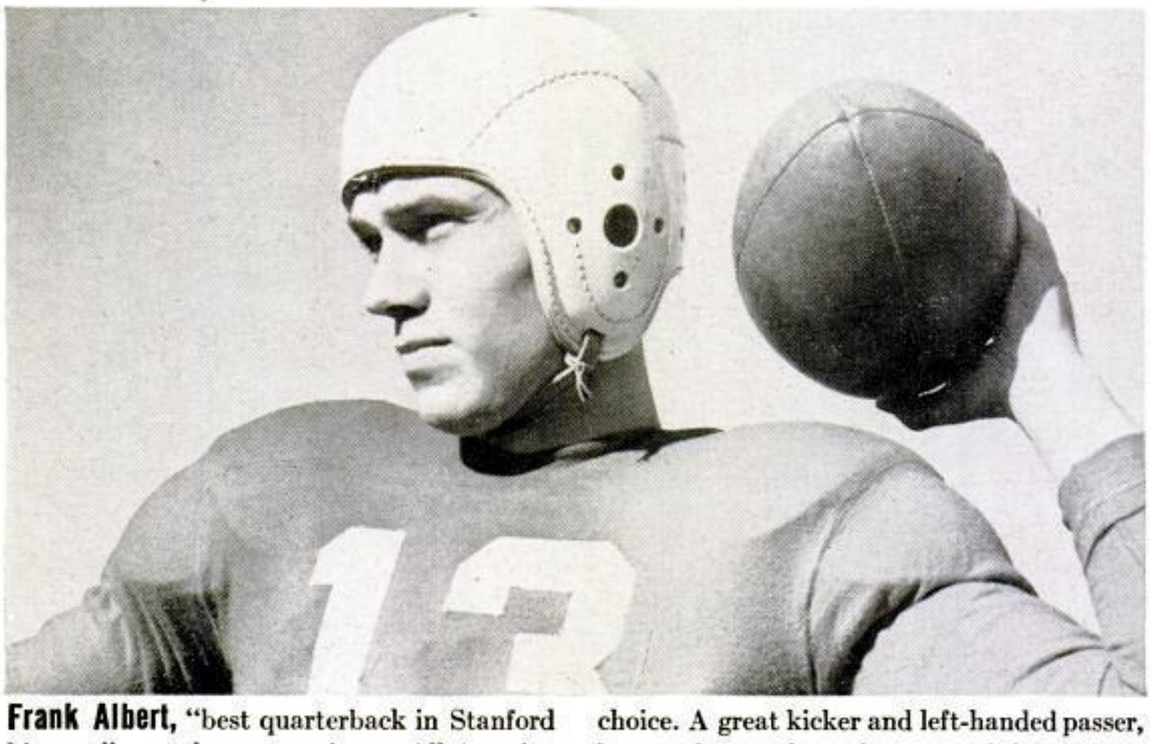


Back Bruce Smith, injured in midseason, has been mainstay of mighty Minnesota Gophers.

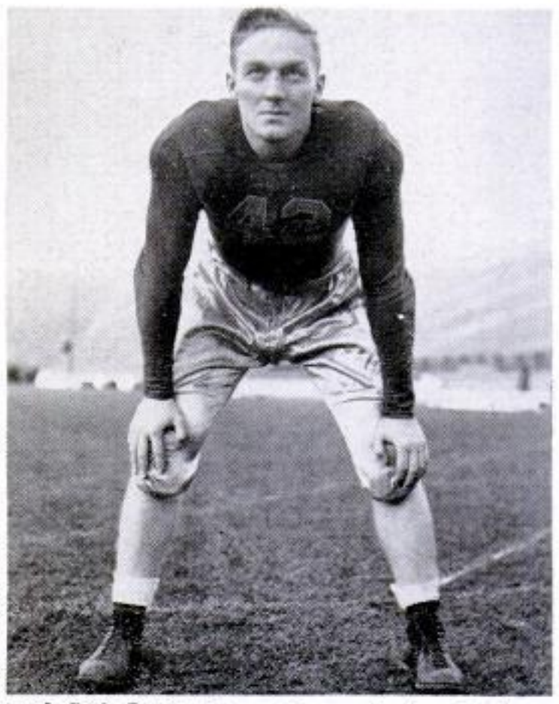

Center Al Demao of undefeated, untied Duquesne is great line-backer, may become pro.

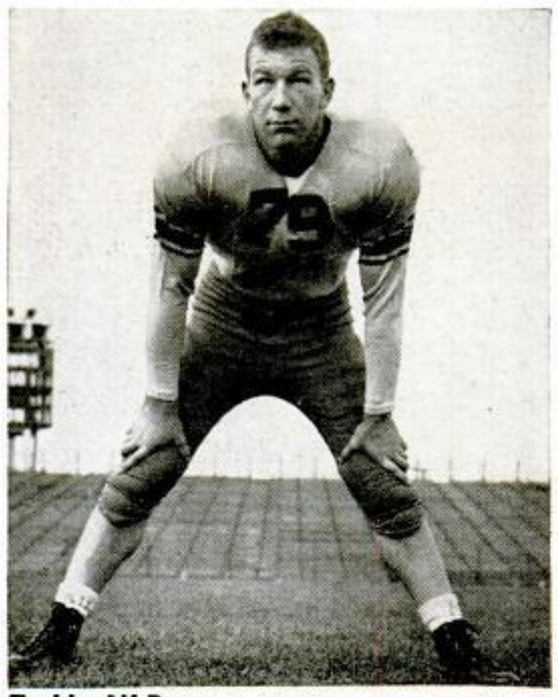


End Holt Rast of Alabama runs team from line, will become lieutenant after June graduation.

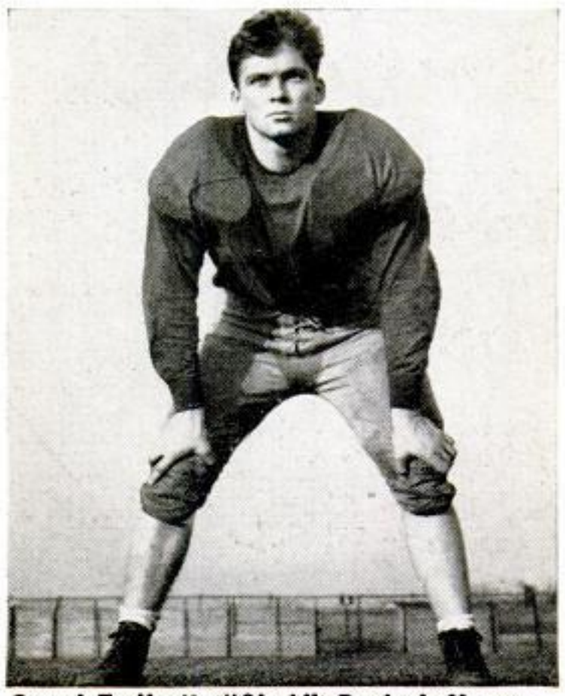


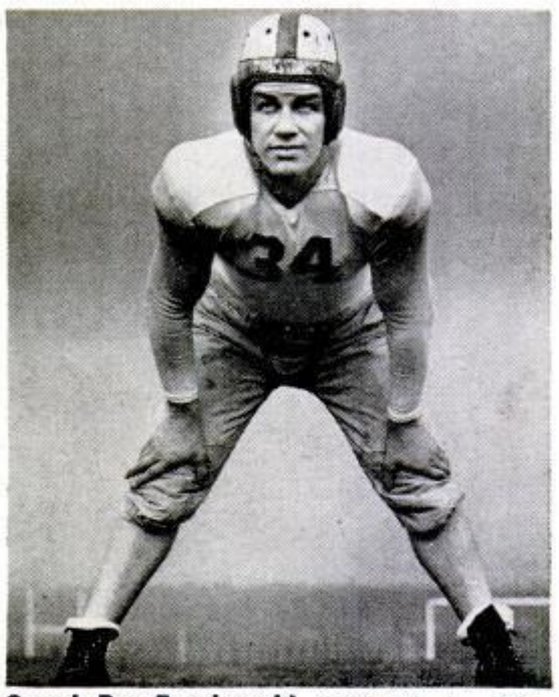
Frank Albert, "best quarterback in Stanford history," was almost unanimous All-America choice. A great kicker and left-handed passer, he was the standout of an up-and-down team.


End Bob Dove, Notre Dame junior, is often called the "fifth man in opponents' backfield."

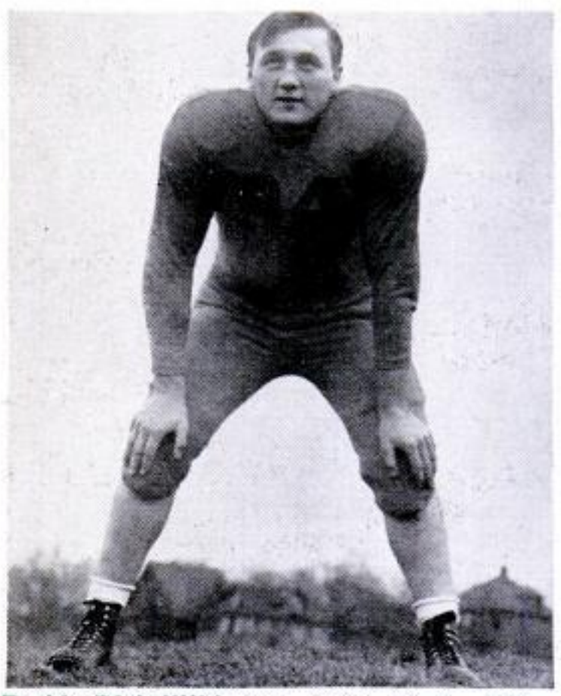


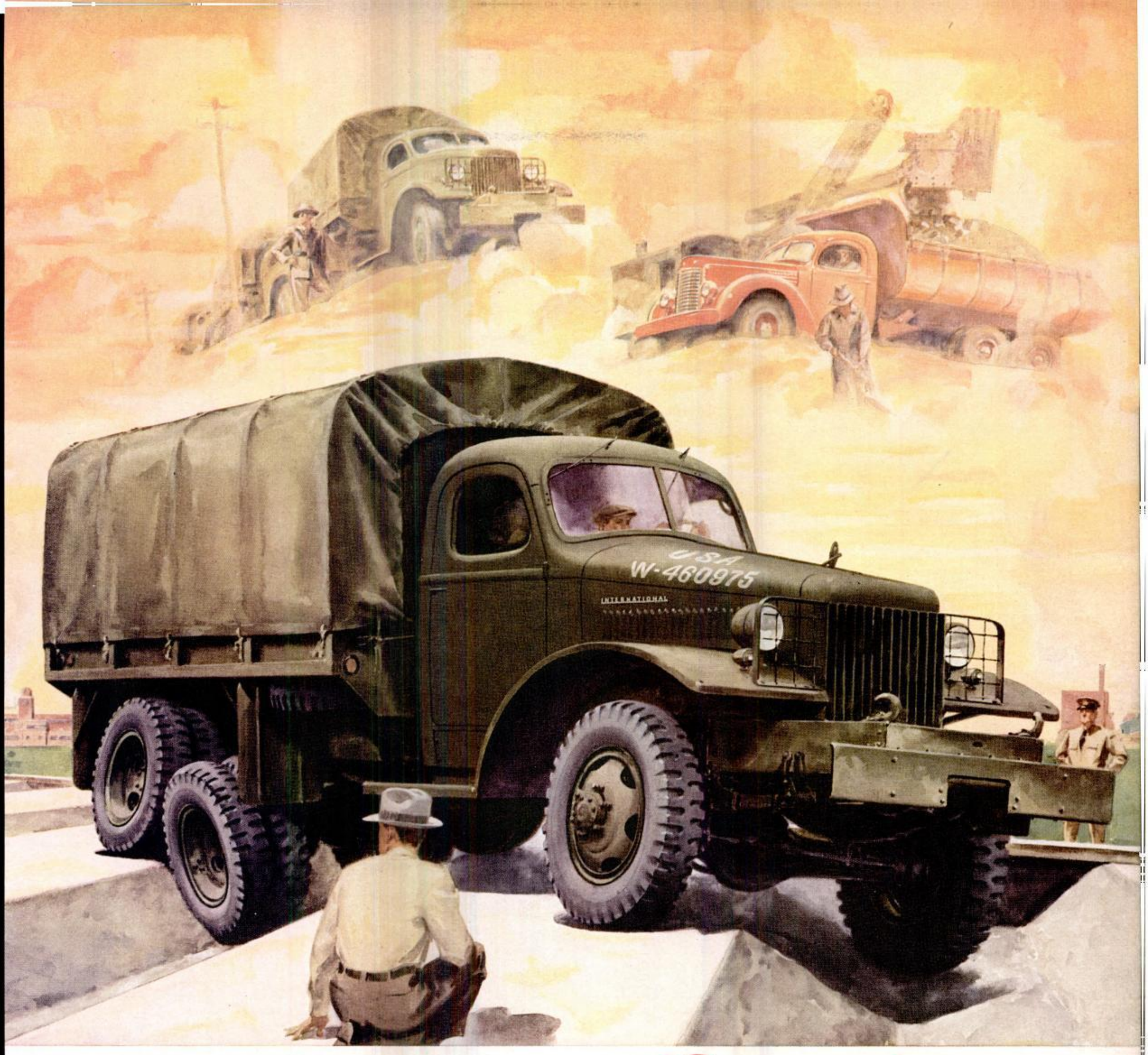
Tackle Alf Bauman, Northwestern, majors in geology, is the only repeater from 1940's team.


Guard Endicott ("Chub") Peabody II of Harvard is grandson of exclusive Groton's founder.



Guard Ray Frankowski of Washington University is from Chicago. He is of Polish descent.


Tackle Dick Wildung is 210-lb. junior. Only undefeated Gophers have two on first team.



PROVED ALL WAYS for *Come what may!*

THE BROAD HIGHWAY of business-as-usual is temporarily closed—Americans have taken to the *great detour* of National Defense. It is a hard new way, and no man can say what wilderness we may traverse before we emerge again upon the open road.

Men and their machines face new endurances, new sacrifices. And as we go forth to meet this challenge that is not of our choosing, we shall find also *new accomplishments, new victories.* We travel into wilderness, but our route is the right-of-way to America's destiny.

Americans are proud of the American character. They believe it to be sound and deep beyond the needs of this emergency. And may it be remembered that it is not on life's four-lane highways that character is molded.

Since the days of the pioneers the heart and sinew, the spirit and the soul, of this nation have been nourished *on the detours.* Hard work has made its people strong. As we judge by the past, we may know that *we shall gain again* by setting wheels off beaten paths to sterner ground.

As with men, so with machines! In the scene above, one of the Army's 6-wheel-drive 2½-ton INTERNATIONAL TRUCKS rides the twist course at the International proving ground. Brawn and character are bred into a truck—not on the broad and finished highway but on such a "detour" as this, where a routine hour of torture packs more punishment than many trucks meet in a working lifetime. *For the military and civilian needs of the nation, Internationals, now as always, are proved all ways for COME WHAT MAY!*

INTERNATIONAL HARVESTER COMPANY
180 North Michigan Avenue Chicago, Illinois

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INTERNATIONAL TRUCKS

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ONCE AGAIN IT'S TIME TO MAKE A BOWL OF

Merry Christmas!

IF YOU'VE never known the warm glow that comes when friends stop in for a Four Roses Egg-Nog at Christmas time . . . well, you couldn't pick a better time than right now to start this gracious custom!

1. Here's what you need

Six eggs . . . ¾ cup sugar . . . 1 pint cream . . . 1 pint milk . . . 1 oz. Jamaica Rum . . . 1 pint Four Roses.

2. Here's what you do

Beat separately yolks and whites of eggs. Add ½ cup sugar to yolks while beating. Add ¼ cup sugar to whites after they have been beaten very stiff. Mix egg whites with yolks. Stir in cream and milk. Add the pint of Four Roses and the rum. Stir thoroughly. Serve very cold, with grated nutmeg.

3. Here's what you get

Five pints of the most delicious Egg-Nog that ever fluffed up in a bowl! And no wonder! For the Four Roses that you buy today is the most luxuriously smooth and richly flavorful whiskey we have ever made or known, in all our 76 years!

Four Roses is a blend of straight whiskies—90 proof. The straight whiskies in Four Roses are 5 years or more old. Frankfort Distilleries, Incorporated, Louisville & Baltimore

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A SUMMER OF DROUTH HAS LAID BARE THE SANDY SHELVING SHORES OF SANTEETLAH LAKE, POWER SOURCE OF THE ALUMINUM COMPANY'S GREAT PLANT AT ALCOA, TENN.

POWER BLACKOUT

SOUTHERN STATES DIM LIGHTS AS WATER RESERVOIRS DRY UP

The bright lights were out in Atlanta's Peachtree Street last week—and in Knoxville's Gay Street, in Birmingham's "Race Track" and in the big cities of seven Southeastern States. All summer long the skies had withheld rain from the Southern Appalachians. Month by month the lakes had shrunk in the valleys, exposing sandbars and shriveled banks, corrugated with receding waterlines like rings in a bathtub. Meanwhile the needs of defense industries demanding ever more kilowatt hours compelled power companies to dip recklessly into depleted water reserves.

In normal times the South might have held out until autumn rains arrived. But the Tennessee Valley is the great aluminum production center of the nation. It takes ten kilowatt hours of electricity to produce one pound of aluminum. It takes 10,000 lb. of aluminum to produce one medium bomber. Hence Washington's OPM has ordered the South to curtail all nonessential lighting in Tennessee, Alabama, Georgia and parts of three other states. If no rain arrives by Dec. 1, a mandatory power reduction of 30% will be imposed on all industries and large concerns.

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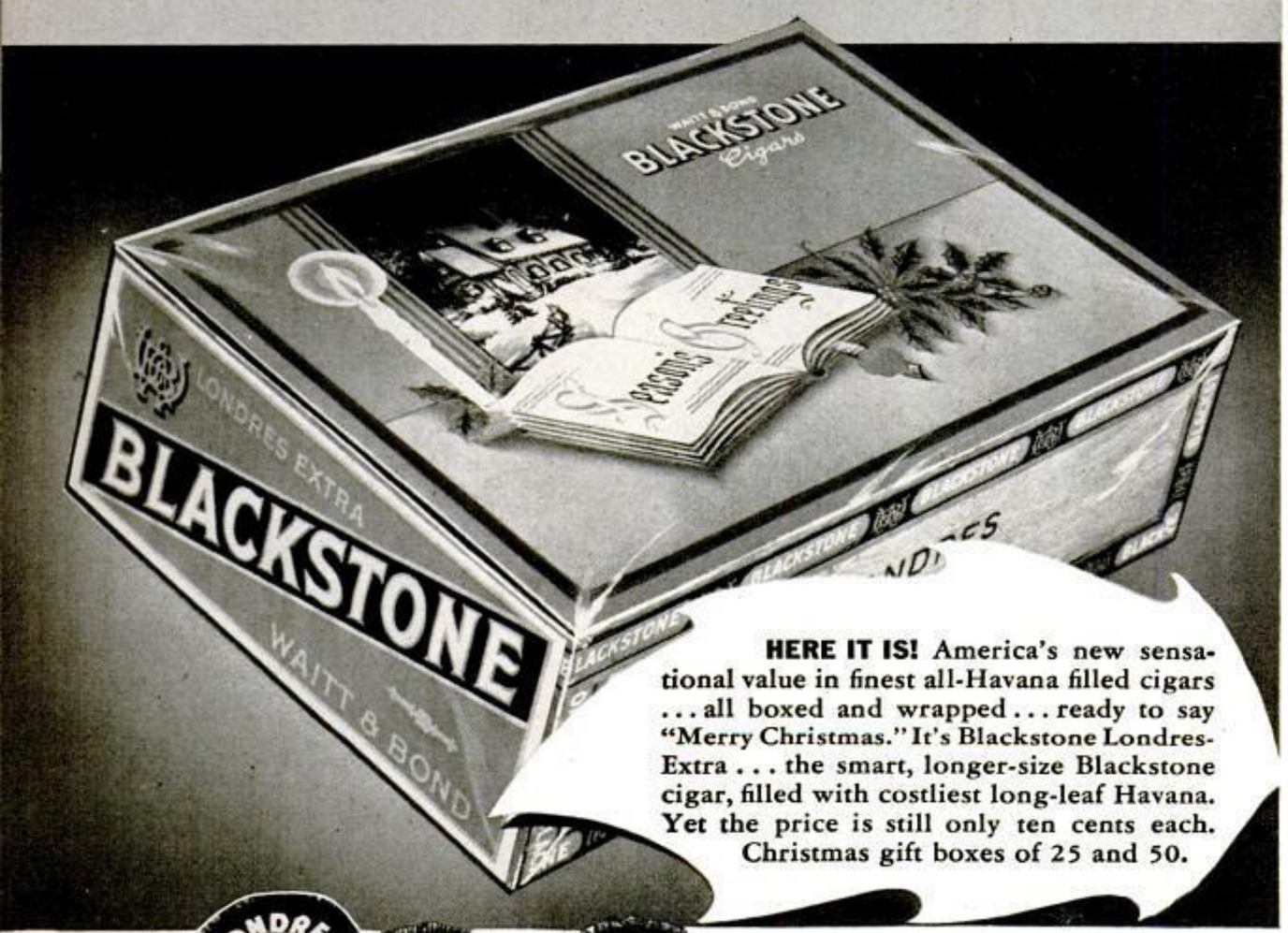


"WHAT'S SHE GOT that I haven't got?" You'd be surprised! She might have been cheated on good looks . . . but not on *good sense.* She knows that a sure-hit gift for a man is a box of finest all-Havana filled Blackstone Cigars. So, girls, take this tip. This Christmas, get wise to the way to get your man. Give him a box of Blackstone Cigars.

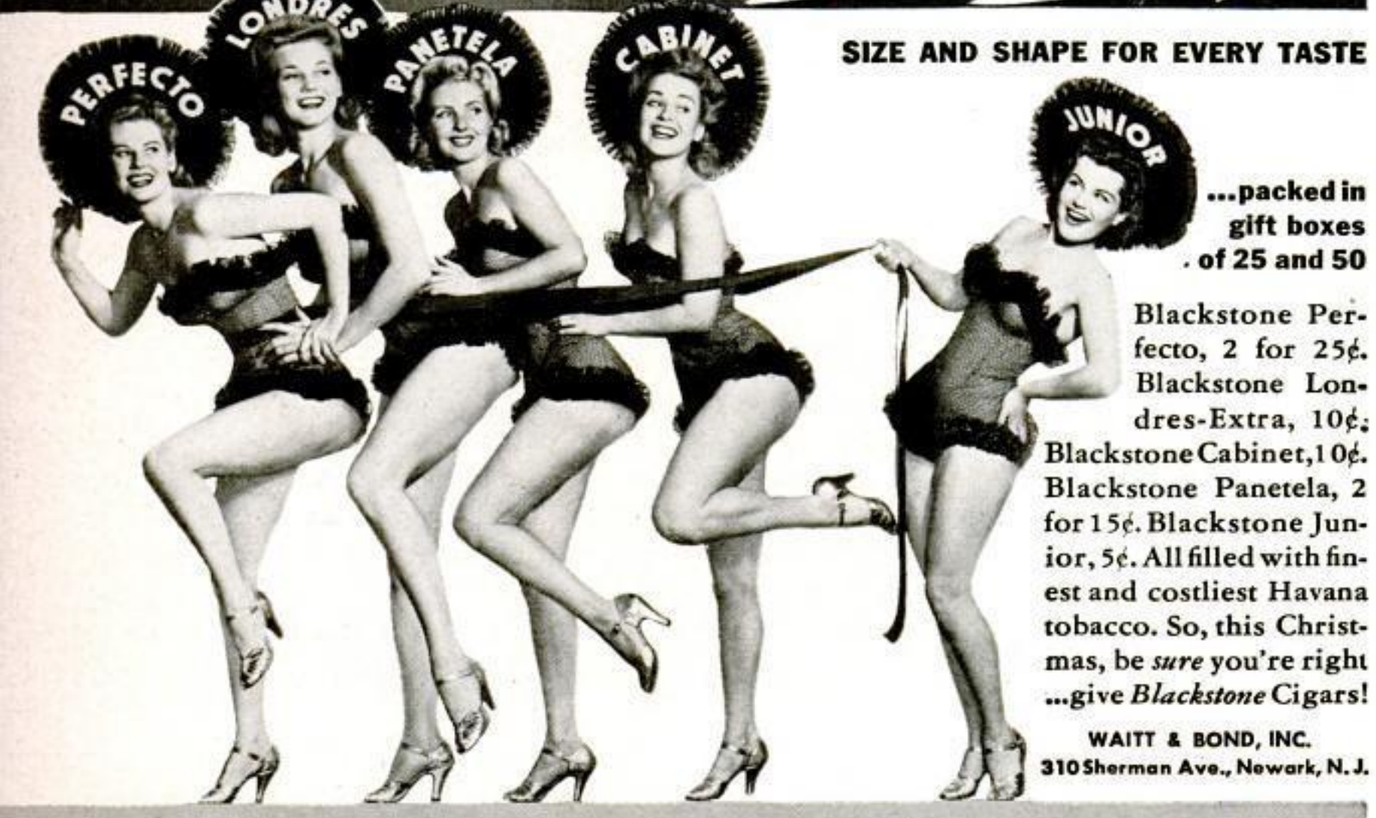
MEN APPRECIATE THE CIGAR THAT GIVES

17% EXTRA SMOKING!

Ask for Blackstone Cigars...in colorful, holiday-wrapped gift boxes of 25 and 50



HERE IT IS! America's new sensational value in finest all-Havana filled cigars . . . all boxed and wrapped . . . ready to say "Merry Christmas." It's Blackstone Londres-Extra . . . the smart, longer-size Blackstone cigar, filled with costliest long-leaf Havana. Yet the price is still only ten cents each. Christmas gift boxes of 25 and 50.



SIZE AND SHAPE FOR EVERY TASTE

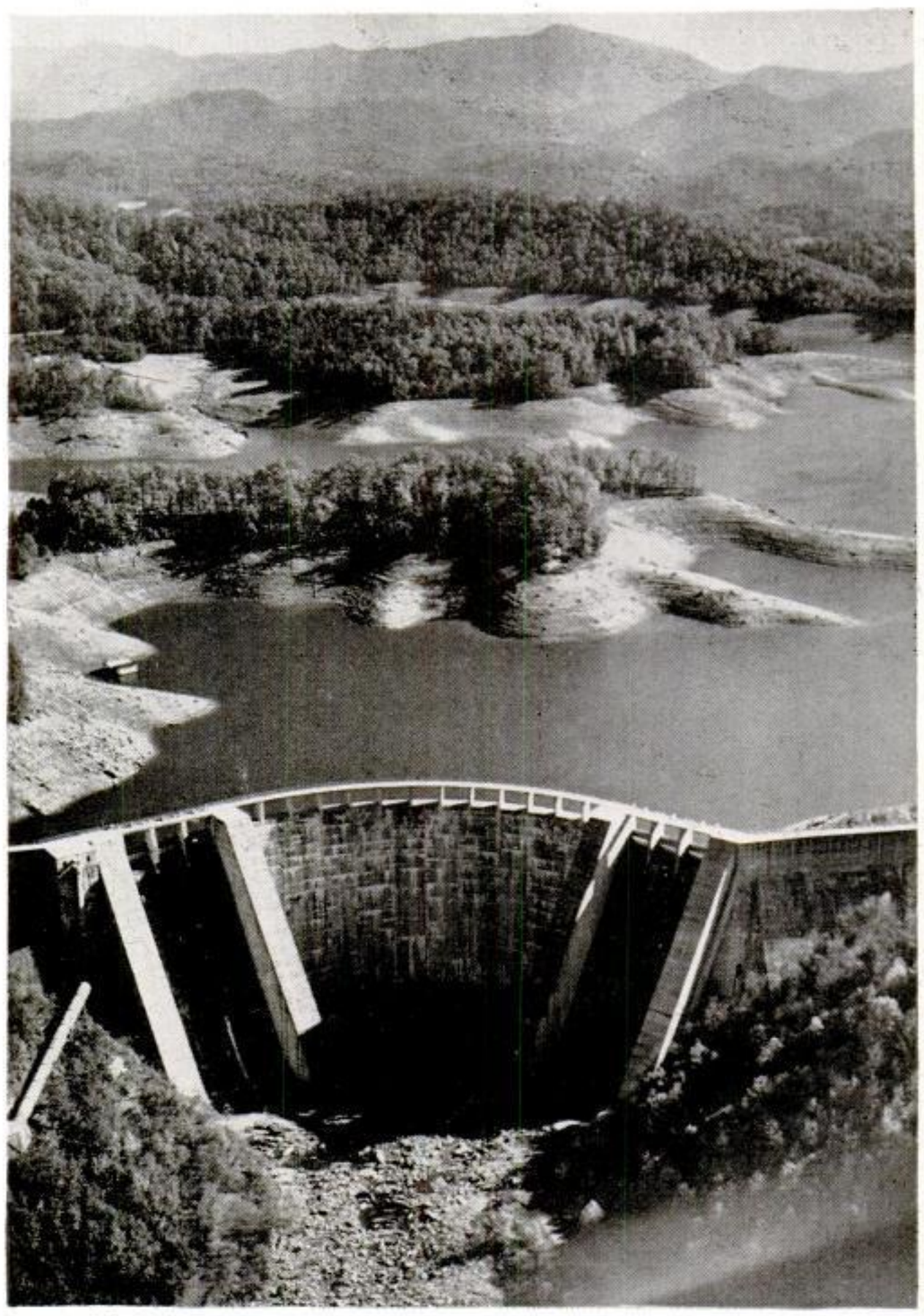
...packed in gift boxes of 25 and 50

Blackstone Perfecto, 2 for 25¢. Blackstone Londres-Extra, 10¢. Blackstone Cabinet, 10¢. Blackstone Panetela, 2 for 15¢. Blackstone Junior, 5¢. All filled with finest and costliest Havana tobacco. So, this Christmas, be *sure* you're right ...give *Blackstone* Cigars!

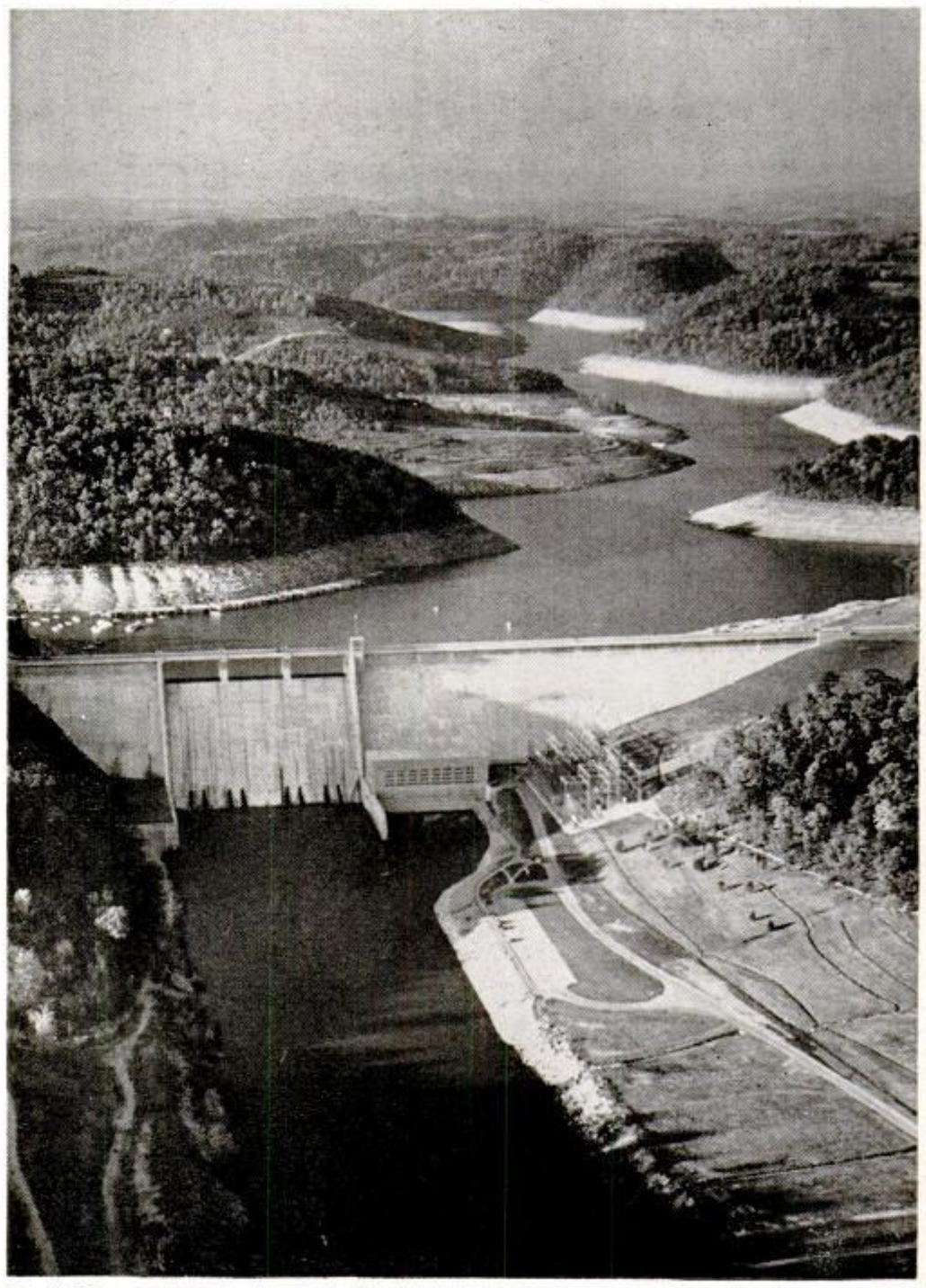
WAITT & BOND, INC.
310 Sherman Ave., Newark, N. J.

Better give Blackstone Cigars...the choice of successful men

Power blackout (continued)



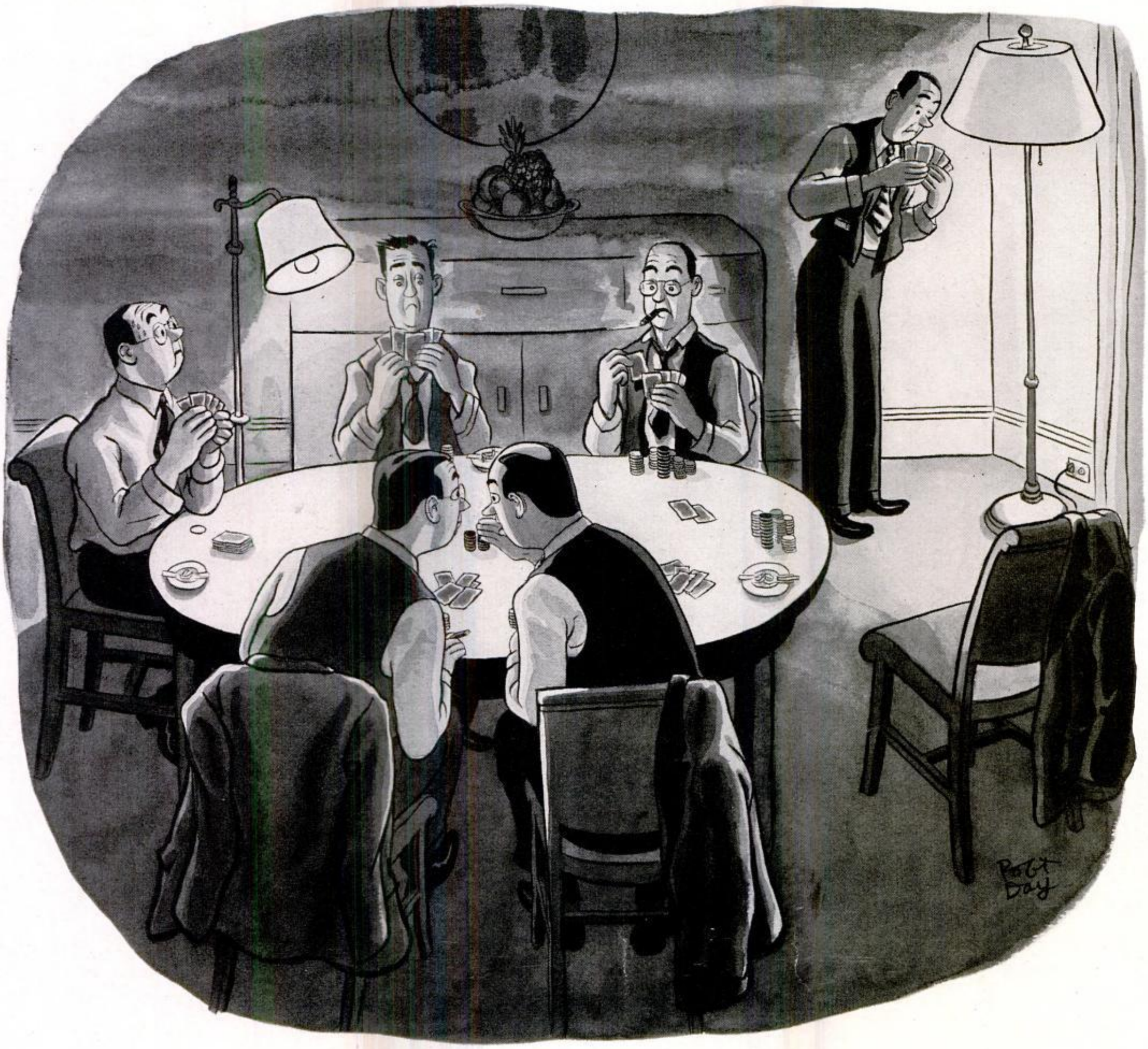
Santeetlah Lake is one of five hydroelectric power reservoirs owned by the Aluminum Company of America. For weeks now the spillways of its dam have been dry.



Norris Dam, first big building achievement of the Tennessee Valley Authority, looms high and dry over Norris Lake, now dwindled within its 700 miles of arid shoreline.

CONTINUED ON PAGE 44

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"Fred isn't sure, but he thinks they're all hearts."

We point cheerfully to the unhappy-looking man at the end of the table. He is the host who thought the old cards were still plenty good enough for the boys. They've straightened him out on that, however, with repeated assurances that he'll have no trouble finding their favorite U. S. Playing Card brand at any of the stores. ♥ Bridge, poker, pinochle, rummy, hearts—they're all more fun with fresh, clean cards. Whatever price you pay, your top value is one of the popular brands made by The United States Playing Card Company.

How long since you've bought new cards?



The quality favorites, wherever you live, are among these 6 brands

WIDE • OR NARROW, BRIDGE-SIZE
(CONGRESS: NARROW, BRIDGE-SIZE ONLY)

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Premium Quality Without Premium Price

TIME HAS BRANDED IT BEST

8 YEARS OLD

ESTABLISHED 1742

WHITE HORSE CELLAR

De Luxe SCOTCH

BLENDED SCOTCH WHISKY • 86.8 PROOF • BROWNE VINTNERS CO., INC., NEW YORK



Lake Rabun, storage lake of Georgia Power Co. and summer resort of wealthy Atlantans, has been reduced to a puddle. Note height of springboard on boathouse dock.



The sunken village of Burton, flooded 22 years ago when Lake Burton was created for the Georgia Power Co., now rears its forgotten foundations above falling waters.



Motorboat dock, where Lake Rabun launches once refueled, now stands more than 50 yd. from water's edge. Four Georgia plants have only 17% normal power in storage.

CONTINUED ON PAGE 46

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WOMEN WHO WANT "That New York Look"

wear dresses with this label

NEW YORK Creation
N.Y. DRESS INSTITUTE
Made under standards of
I.L.G.W.U.



Before the factory whistle, Polly likes to talk over the day's shopping list with her husband. For marketing, her choice is a smart two-piece wool dress with full pleated skirt and young middy-style overblouse.



At the day nursery, Mrs. Lofink goes about her volunteer service in a trim tweed-patterned wool dress with contrasting buttons emphasizing the well-fitted longer bodice. "A day with those youngsters gives my New York Creations good hard wear."



Well-armed with mistletoe, Polly Lofink helps decorate for a real old-fashioned Christmas in her prettiest sheer crepe dress with its flattering lace yoke, wee velvet bows and sparkling rhinestone circlets.

Mrs. Donald Lofink, national defense housewife, plans a 5-dress wardrobe of New York Creations for $40.00

IN TRUE AMERICAN SPIRIT, pretty Polly Valentine Lofink of Norwalk, Connecticut, interprets her defense-housewife role as a "partner in patriotism"—finding a patriotic reason for everything from charity work to choosing her dresses.

"I think it's our *duty* today to look attractive! True, a dress wardrobe on a defense-worker's salary requires a few fashion maneuvers—*but it can be done.* Don laughs when he sees me planning my entire wardrobe before I buy a single dress. He says it's priority thinking . . . I say it's smart strategy."

Explaining how she prepares for "duty," Mrs. Lofink says: "When I make my first dress purchase of the season, I buy hats, shoes and gloves to match. Since dresses are what people notice most, then I choose dresses that go well with these same accessories. My husband likes smart dresses, so I hunt for the *latest.* New York Creations give me the most in fashion and wearability. That's why I now ask the salesgirl to show me *only* dresses with New York Creation labels."

New York Creations are designed and made by New York manufacturers—members of the New York Dress Institute. The Institute, itself, does not sell dresses or issue catalogues. Your favorite store *buys* and *carries* New York Creations. By insisting on this label you can be assured of the *latest* creations from New York—*where the New begins.* NEW YORK DRESS INSTITUTE, 1450 BROADWAY, NEW YORK.



At the Farm Rotisserie, where her husband often sings with the orchestra after working hours, Mrs. Lofink shares honors in a long-sleeved, crepe dinner dress, with spangled neck and shoulder trim, molded midriff and full, graceful skirt.



For shopping, Mrs. Lofink has drafted one of her favorite New York Creations, a classic-line dress with the latest fashion details—shirred bodice, jeweled buttons and new open sleeves. "Yes, it's exactly the style I want and it has my favorite label."

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"TELL ME ANOTHER" AND WIN $5.00
says KLEENEX*
We will pay $5.00 for every "Kleenex True Confession" published. Mail to KLEENEX, 919 N. Michigan Avenue, Chicago, Illinois.





"DON'T PUT A COLD IN YOUR POCKET!"

I TOLD MY SCHOOL PUPILS WHEN THEY SNIFFED AND SNEEZED. SO NOW THEY CARRY *KLEENEX* INSTEAD OF GERMS AND EVERY-BODY'S HAPPY! (from a letter by M. La P., Wichita, Kans.)



ONLY *KLEENEX* TISSUES HAVE THE SERV-A-TISSUE BOX TO END WASTE! PULL A DOUBLE-TISSUE STRAIGHT UP...NEXT ONE POPS UP READY FOR USE! (from a letter by L. W., Chicago, Ill.)



Good for the Last Drop!
WHY TRY TO GET A BIG BATH TOWEL IN YOUR EAR WHEN *KLEENEX* GETS THAT LAST DROP PERFECTLY.
(from a letter by R. D., Chicago, Ill.)

KLEENEX* DISPOSABLE TISSUES

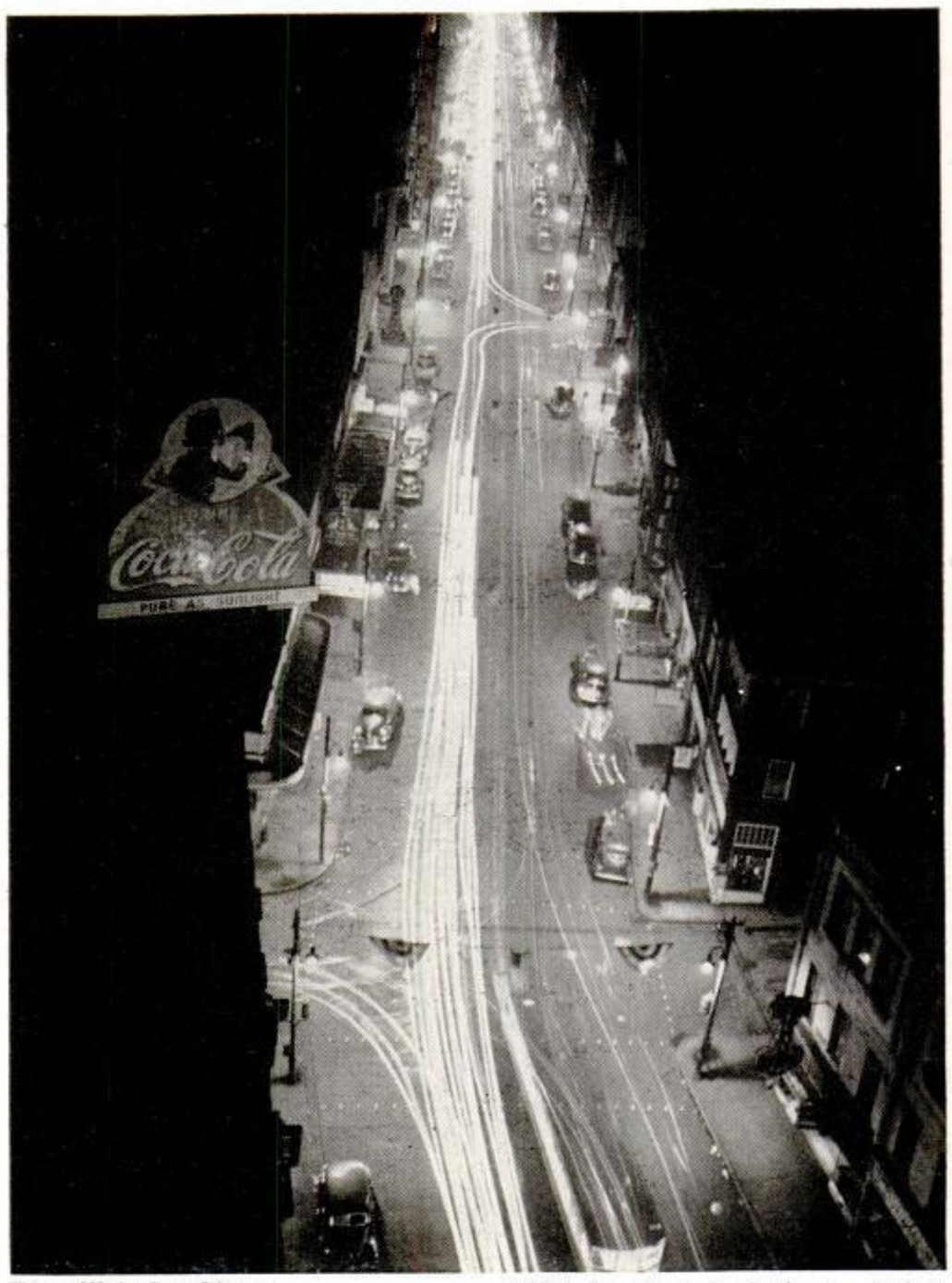
M...M...M...M...
Delsey is soft like Kleenex!





DELSEY* TOILET PAPER
soft like Kleenex Tissues
double-ply for extra strength
3 ROLLS FOR 25¢ - 12 ROLLS FOR 97¢

*Trade Marks Reg. U. S. Pat. Off.

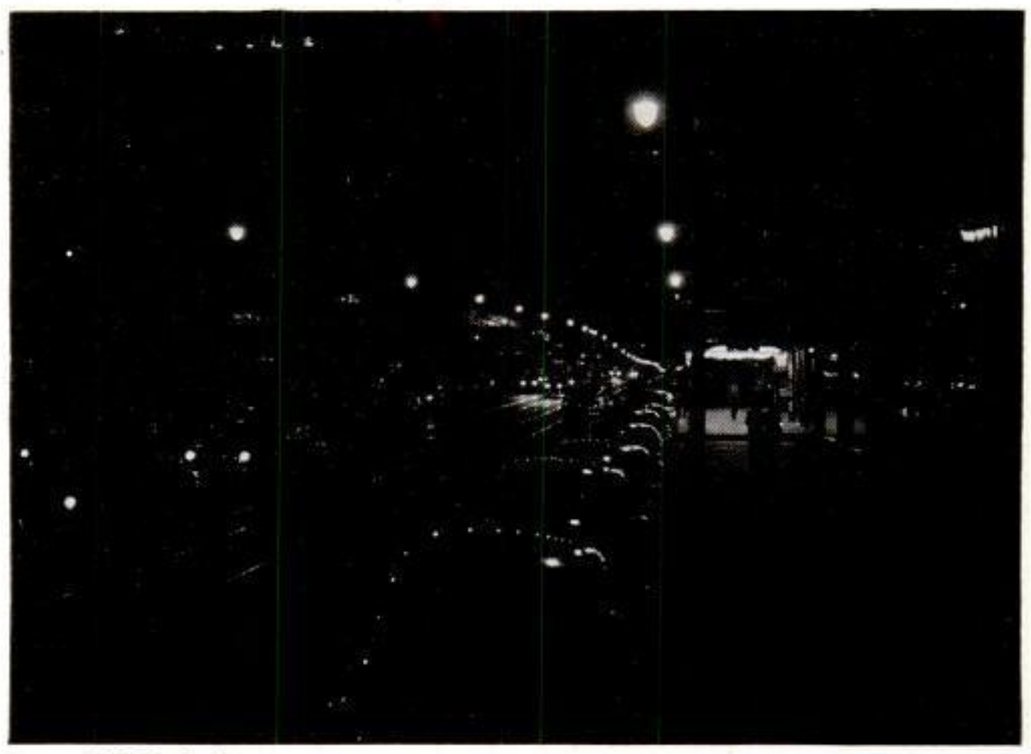


Knoxville's Gay Street is a narrow canyon of light, illuminated only by street lights and the headlamps of automobiles. All ornamental lighting has been blacked out.

IN THE CITIES ONLY THE STREET LIGHTS GLOW

It was last May that the Federal Power Commission began really to worry about a power shortage in the Southeast. In the Tennessee Valley, where power requirements have risen 75% since the defense program got under way, and where two-thirds of the nation's sheet aluminum for warplanes is rolled in electrically operated mills, summer rainfall was 50% below normal. Water levels in TVA reservoirs were down 60%.

That power has not been rationed before now is due in part to the creation of a giant 17-State power pool which co-ordinated electric-power facilities from Illinois to Texas, from Florida to Pennsylvania. Owing to this pool, to fitful summer rains, and to voluntary but effective power conservation, no general rationing of power has yet been necessary. As these pictures show, only display and decorative lights have been blacked out. But unless the rains return speedily and heavily, the South's power blackout will soon grow blacker still.



Memphis' Main Street glitters with tiny islands of light in darkness. Though Boss Crump decried blackout because it spoiled night football, city readily conformed.

CONTINUED ON PAGE 48

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"HIDE——— IT'S A MAN!"



SALLY: I told him to wait outside while you crawled into something decent!

IRENE: *The only thing I can crawl into is the closet. My other house dresses are shrunk worse than this one.*

SALLY: That's because you never look for a "Sanforized" label, you goon.

IRENE: *But they told me these dresses wouldn't shrink!*

SALLY: The way to be *sure* is to look for the "Sanforized" tag . . . the one that says the fabric won't shrink more than a teeny 1%, by standard tests. That means a size 14 *stays* a size 14!

IRENE: *The one thing I've been praying for!*

SALLY: Well, next time, don't pray . . . look around. You'll find all kinds of wash dresses marked "Sanforized" these days, from a dollar or two on up. Cottons, linens, and spun rayons.

IRENE: *But I need one now!*

SALLY: Grab one of mine while I let George in. They'll all fit because they all have "Sanforized" labels!

↓ "ALL CLEAR NOW?"



GEORGE: What are you two girls arguing about?

SALLY: Something *you* should know about . . . "Sanforized" labels!



GEORGE: Why should I?

SALLY: So your shirts wouldn't shrink up like that! You can get shirts marked "Sanforized" in practically all makes and styles these days. At all prices!



GEORGE: How come you're so smart?

SALLY: I've got brothers. And most stores have shorts and pajamas marked "Sanforized," too. They don't cost any more and they won't ever shrink out of size!

***INSIST ON** a "Sanforized" label when buying other cotton, linen, or spun rayon washables . . . children's clothes, uniforms, slacks and work clothes, slip-cover and curtain materials. It's the way to be safe!*

SANFORIZED
REG. U.S. PAT. OFF.

Insist on this trade-mark when buying a **Compressive-Shrunk** fabric. It signifies that the residual shrinkage will be less than 1% conforming to tests and standards established and supervised by the owner of the trade-mark.

FOR PERMANENT FIT... LOOK FOR THE "SANFORIZED" LABEL

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The Mystery of the Hidden Glasses...









—and for still more taste thrills try the many other *popular Garrett American Wines*

• Yes, and it's a mighty big family! There's a famous Garrett American Wine for every use and every pocketbook . . . a long list of them "made the Garrett way" for finer flavor, more tempting bouquet.

SPECIAL TIP TO HOSTS: Keep Virginia Dare on hand for the many kinds of get-togethers where this single "every use" wine is easiest to serve . . . the one wine *everyone* likes.

Famous Garrett American Wines: Virginia Dare (Red or White) ... Blackberry ... Sauternes ... Haut Sauternes ... Rhine ... Burgundy ... Claret ... Port* ... Sherry* ... Muscatel* ... Tokay* ... Paul Garrett American Champagne, Sparkling Burgundy and Pale Dry Sherry*. **Alcohol 20% by Volume.*

"Give me GARRETT'S"
America's Call for Wine

GARRETT & CO., INC., Brooklyn, N. Y.

Power blackout (continued)



In Knoxville, oil lamps, lanterns and candles light the city's bars, restaurants and retail shops after dark. Here inside the Irish Casino, a roadhouse located on the Clinton highway, the proprietor makes change by kerosene and tallow illumination.



In Atlanta kerosene lanterns light the marquee of Roxy Theater. But most of Peachtree Street was shrouded in shadow. Below: Movie Actress Maria Montez makes up by candlelight for a personal appearance on stage of Atlanta's Paramount Theater.





A. VERI-THIN‡ CADENCE, 15-jewel movement, pink or yellow gold-filled case with Guildite back $33.75

B. VERI-THIN‡ CADET, 15-jewel movement, yellow or pink gold-filled case with Guildite back $33.75

C. VERI-THIN‡ PRINCESS, 15-jewel movement, yellow or pink gold-filled case with Guildite back, matching flex bracelet $37.50

D. VERI-THIN‡ MASTER, 17-jewel Precision* movement, yellow or pink gold-filled case with Guildite back $37.50

E. VERI-THIN‡ CELESTINE, 15-jewel movement, pink or yellow gold-filled case with Guildite back $42.50

F. KENT, 17-jewel movement, yellow or pink gold-filled case with Guildite back, matching expansion band $42.50

G. VERI-THIN‡ RAMONA, 17-jewel movement, yellow or pink gold-filled case with Guildite back, matching flex bracelet $45.

H. VERI-THIN‡ DEWEY, 17-jewel Precision* movement, luminous hands and dial, sweep second hand, watertight Guildite case . $45.

I. VERI-THIN‡ CONSUELA, 17-jewel movement, pink or yellow gold-filled case, matching flex bracelet . . . $47.50

J. VERI-THIN‡ LANCER, 17-jewel Precision* movement, pink or yellow gold-filled case . . . $47.50

K. CURVEX† CONSORT, 17-jewel Precision* movement, yellow or pink gold-filled case, matching flex bracelet . . . $55.



A thousand tender words in One



IF YOU SHOULD write down tonight all the many things that make a Christmas gift perfect for someone close to your heart, you'd come to one conclusion:

Only a fine watch truly fits the description. And most truly of all, a Gruen – voted the most beautiful watches in the world by America's most respected fashion designers.

Choose now at your Gruen jewelers. Trust the name "Gruen" on the watch you give to convey the thousand words you find too tender for speech. Trust the accuracy and sturdiness Gruen builds into its watches to ennoble the memory of your thoughtfulness and generosity long after Christmas has ticked by.

Gruen watches, at Gruen jewelers only, $24.75 to $250; with precious stones to $2500. Write for folder. The Gruen Watch Company, Time Hill, Cincinnati, Ohio. In Canada: Toronto, Ont.

GIFTS FROM YOUR JEWELER ARE GIFTS AT THEIR BEST

Watch on Lady's wrist—VERI-THIN‡ PORTIA, 17-jewel movement, pink or yellow gold-filled case with Guildite back . . $37.50



L. VERI-THIN‡ MEDALLION, 17-jewel Precision* movement, pink or yellow gold-filled case, matching expansion band . $47.50

M. CURVEX†TROOPER, 17-jewel Precision* movement, pink or yellow gold-filled case $55.

N. BRIGHTON, 17-jewel Precision* movement, 14kt. yellow gold case $55.

O. BELVEDERE, 17-jewel Precision* movement, 14kt. pink gold case, 14kt. pink gold flex bracelet . . $135.

P. VERI-THIN‡ DIRECTOR, 17-jewel Precision* movement, yellow gold-filled case $37.50

Q. VERI-THIN‡ FIFTH AVE., 17-jewel Precision* movement, pink or yellow gold-filled case $47.50

R. CARDIFF, 17-jewel Precision* movement, 14kt. white gold case set with 14 fine diamonds $135.

S. CANNES, 17-jewel Precision* movement, 14kt. pink gold case set with 6 rubies and 10 diamonds . . $165.

T. CURVEX† CAPTAIN, 17-jewel Precision* movement, pink or yellow gold-filled case $59.50

U. CURVEX† CROWN, 17-jewel Precision* movement, 14kt. yellow or pink gold-filled case $85.

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Gay, Sparkling

Christmas Gifts

by Cannon

Ready to be "Tagged"



Garland Hat Box. Charming setting for a 6-piece array of Cannon towels, **$2.25.**



Pink Lace . . . and lavish! Soft, thirsty Cannon towels in a full 6-piece set, **$2.25.**



Tropical Flower brimful of 2 bath towels, 2 face towels, 2 wash cloths, **$3.25.**



Fiesta. Two Percale pillow-cases scalloped in colors or solid color, plain hemmed, **$1.50.**



Rose Wreath. Two Percale cases and sheet, scalloped in colors or solid color, plain hemmed, **$4.50.**



Fantasy. Two Muslin sheets and cases, scalloped in colors or solid color, plain hemmed, **$5.75.**



Finger-tip Terries. Four pastel finger-tip towels in a rosebud-sprigged package **$1.25.**



The Big Apple Set to cheer her chores! 5 pieces plus — of all things — a rolling-pin! **$1.29.**



Scarlet Bow. Bound to be welcomed! Matching bath towel, face towel, wash cloth, **$1.25.**

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• Looking for a way to say "Merry Christmas" the calendar 'round? Here are your greetings in wondrous array, Cannon gift sets . . . gay as holly! Brimming with sunny-colored Cannon towels, smooth Cannon sheets – bedecked with ribbons and fit to be tied in their festive wrappings. (Shopping hint: you can do *all* your Santa Claus-ing over one counter.) Just scan these pages, check your list, and cheer!



Star Spangled. Christmas greetings in gala multi-stripes. Matching towel set, **$1.25.**



The Basket . . . daintiest of all! Soft, lovely Cannon towels in a versatile basket tray, **$4.25.**



Carnival Hat Box. Thick, absorbent Cannon towels clustered round a bevy of guest soaps, **$3.25.**



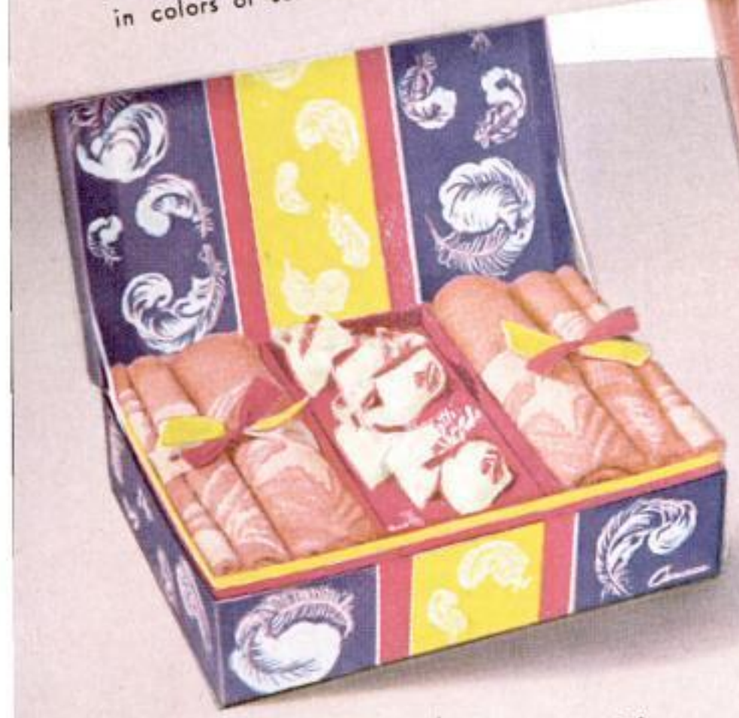
Floral Medley. Muslin sheet, 2 cases, scalloped in colors or solid color, plain hemmed, **$3.75.**



Imperial . . . Two Percale sheets and cases, scalloped in colors or solid color, plain hemmed, **$6.95.**



Garden Party. Two Muslin pillow-cases, scalloped in colors or solid color, plain hemmed, **$1.19.**



Royal Plumes. Primed with packets of fragrant bath crystals, 6-piece towel set, **$4.25.**



Bouquet Box . . . sentimental as a florist's shop. Treasuring 6 pieces, **$5.50.**



Cannon Sheets

Cannon Towels

TRADE MARK IN U.S.A. CANNON

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HORN...OR WHISTLE?

DIESEL OR STEAM...which is the locomotive power for the job? We can't tell—yet. We don't know—now. We won't say—offhand. We study each railroad problem separately and carefully. And we recommend the type of motive power that meets the conditions. It may be a Diesel-Liner. It may be a Steam-Liner. Whichever fits the job better, we build it. And, horn or whistle, it will be one of the finest, streamlined modern locomotives in the world.

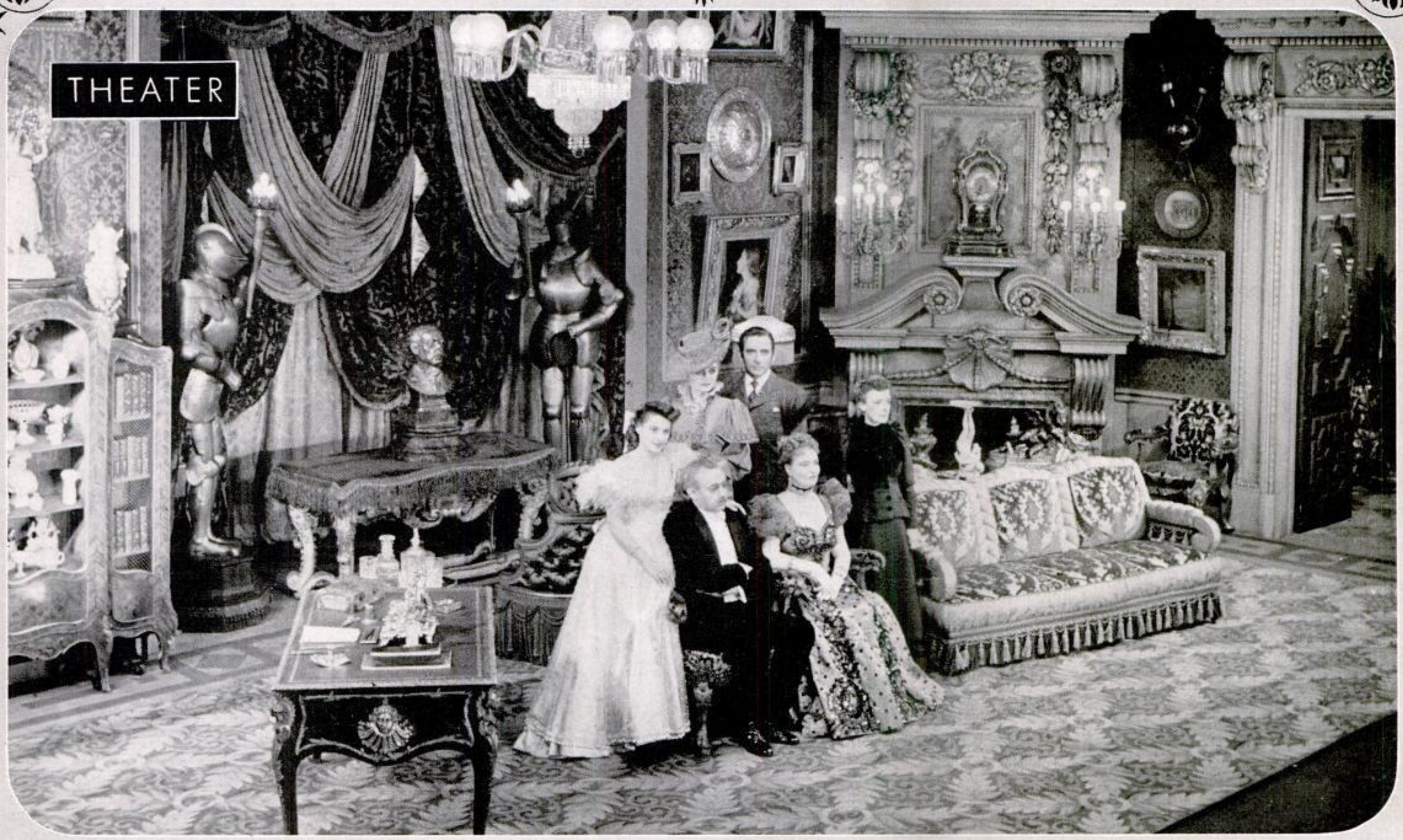


AMERICAN LOCOMOTIVE

DIESEL · STEAM · ELECTRIC

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THEATER



IN 1890 LACEY KINCAID (SEATED), EMPIRE BUILDER AND ROBBER BARON, HAS LOOTED ALL EUROPE TO SURROUND HIS FAMILY WITH TASTELESS GRANDEUR

THE LAND IS BRIGHT

A MILLIONAIRE'S HEIRS

The Land Is Bright is the work of George S. Kaufman (*You Can't Take It With You*) and Edna Ferber (*Show Boat*), that incurable romanticist about America whose novel *Saratoga Trunk* is now a best-seller. If you can imagine America's latter-day history divided into three panels, each depicting a different generation of the same family, you get some idea of this play's picturesque color.

In the first generation (1890), Lacey Kincaid has run a pickax into a $200,000,000 fortune. He cheats his partners, steals a railroad, builds a red-plush mansion and, hell-bent on outshining the Goulds, the Astors and the Vanderbilts, marries his daughter to a decadent count. The second generation of Kincaids (1920) still believes that "there is nothing that money can't fix." A daughter has become a European wastrel. A son has become a die-hard reactionary. Among the grandchildren are a philanderer and a consort of gangsters. Members of the third generation (1941), under impact of national crisis, rededicate their lives to the country that gave them their wealth.

Such a sprawling story is apt to make second-rate drama. But since it is staged with scenic splendor, peopled with stormy characters and plotted with violent action, it makes first-rate theater.



The first generation of Kincaids is on the make for money and high social position. Daughter Tana (*left*) and son Grant (*standing*) take over.



The second generation is soft and discontent. Tana (*seated*) flits about Europe, while Grant (*behind invalided mother*) engages in quarrels with his children.

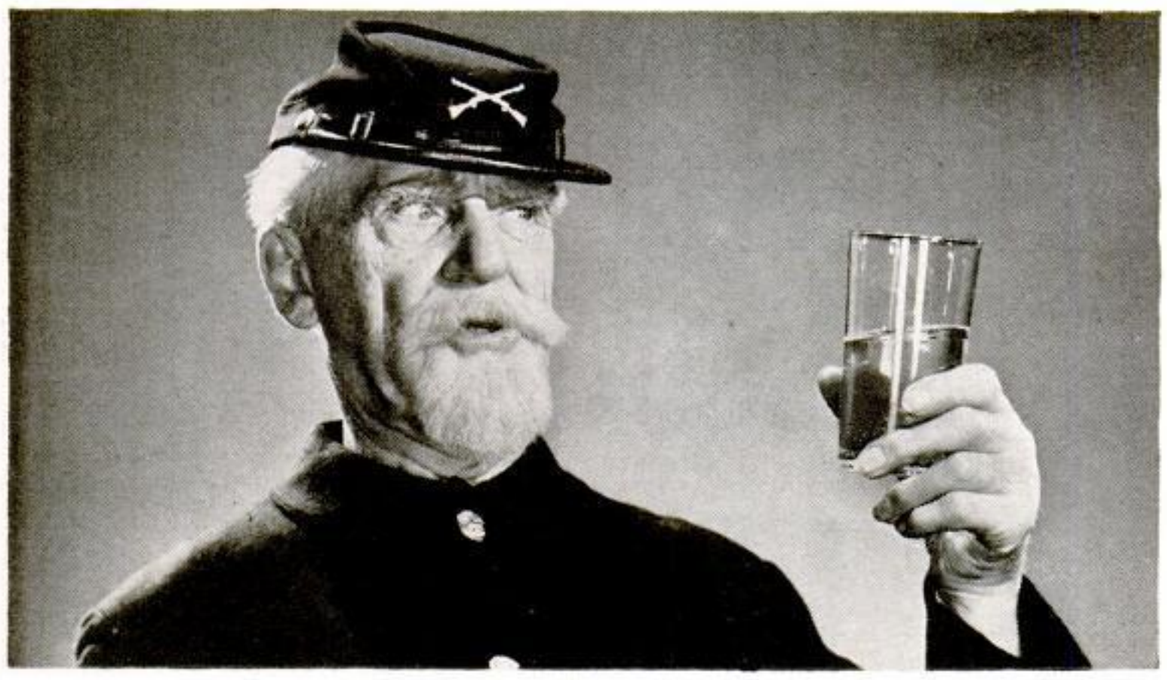


The third generation finds the second (*seated center*) old-fashioned, while the fourth considers old Lacey (*represented by the bust in rear*) "a crook."

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Grandpa Goes Modern



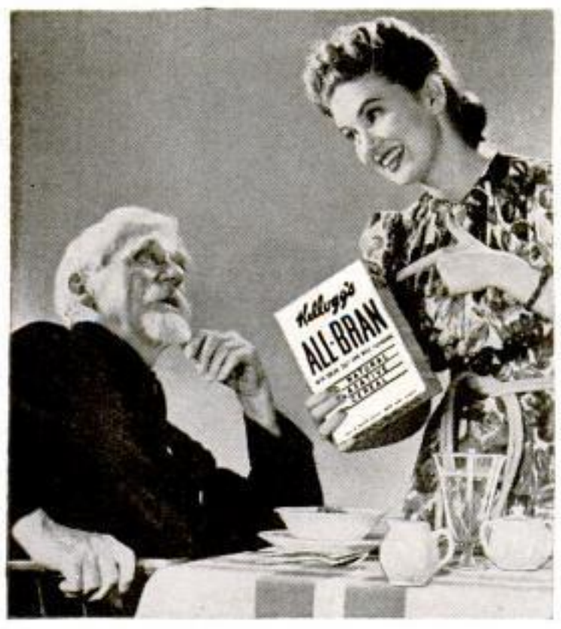
"BACK IN 'SIXTY-FIVE," says Grandpa, "I was just a drummer boy. But I remember one thing the old general told me. 'Boy,' he says, 'nothing in the world does a soldier as much good as a real old-fashioned *purge*.'"



"AND SO, YOUNG LADY," says Gramps, "never quibble over a good strong dose. Stick your chin out and drink it down. It makes a man of you!"

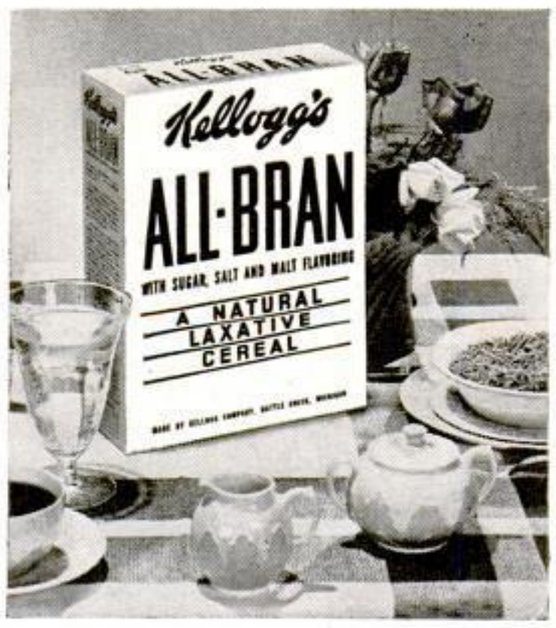


"GRAMPS," says I, "you're a hard character. Did it ever occur to you to find and correct the *cause* of your trouble? Come to breakfast; I want to show you something."



"NOW WHAT?" says Gramps.

"Just a crisp, delicious breakfast cereal," says I. "KELLOGG'S ALL-BRAN. If your trouble is the common kind of constipation that's due to lack of proper 'bulk' in the diet, ALL-BRAN will go right to the cause of it."



"WHOA THERE!" hollers Grandpa. "Why didn't you tell me it *tastes* so good! If vittles like this can make you join the 'regulars,' I'm enlisting right now."

And, bless you, he did—even to following the directions: "Eat it every day and drink plenty of water!"

Join the "Regulars" with

Kellogg's All-Bran

MADE BY KELLOGG'S IN BATTLE CREEK

COPYRIGHT, 1941, BY KELLOGG COMPANY

ACT I



A social triumph is achieved by the Kincaids when, for a small payment of $6,000,000, profligate Count Waldemar Czarniko takes Tana for wife.



A domestic battle shakes Kincaid family when headstrong Grant comes to introduce his vulgar wife. His parents rebuke him and cast him out.



A bullet ends Lacey Kincaid's unscrupulous life. The Montana partner whom he has just cheated out of a railroad is quicker on the draw.

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ACT II



America displeases Tana, home for a visit in 1920. But her daughter, having found love in New York, defies her mother and decides to stay.



A gangster is hidden in Kincaid mansion by thrill-loving Linda (*left*). When Linda's young brother threatens to expose him, the boy is shot.

CONTINUED ON NEXT PAGE



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From California and Florida come ideas for marvelous drinks



In Florida and California a Martini cocktail made with Ronrico Rum has long been one of the most popular of drinks. Next time you order a Martini, specify Ronrico White Label instead of gin and taste the difference.

This smoothest of rum improves any drink. Every mellow drop distilled in Puerto Rico.

Try Ronrico in your next collins, cocktail or highball and see if you don't agree it's delicious. And don't miss Ronrico and Soda! Ronrico isn't expensive.

Write for "THE RUM CONNOISSEUR", a colorful booklet of delightful drink and food recipes. Enclose 10c for handling—or ask for free copy at nearest liquor store. Address: RONRICO CORPORATION, Miami, Florida.

RONRICO MARTINI

1 part French Vermouth. 2 parts Ronrico White Label. Stir well with cracked ice. Strain into cocktail glass and garnish with an olive or cocktail onion.

Copyright 1941 Ronrico Corp.

RONRICO

BEST RUM... BAR NONE



WHITE LABEL (extra dry) and GOLD LABEL (dry), each 86 Proof. RED LABEL 90 Proof. PURPLE LABEL 151 Proof.

DISTILLED AND BOTTLED BY PUERTO RICO DISTILLING COMPANY, ARECIBO, P. R.
U. S. Representative: Import Division, McKesson & Robbins, Inc., N. Y. C.



A GIFT HE'LL "TREASURE" FOR YEARS

Give Him An
ENGER-KRESS
BILLFOLD

(1.) SAFETY SECRET POCKET BILLFOLD--Tailor trim; rich double-tone styling. Concealed pocket for big bills. $2.25 to $5.

(2.) PATENTED SWING-IT SECRETARY--Organizes papers, cash, and stamps. Locks in valuables when you swing the pad outside for easy writing. $2 to $5.



ENGER-KRESS CO
West Bend, Wisconsin

Ask Your Dealer for Leather Goods by ENGER-KRESS E-K

MAD



When a cough, due to a cold, drives you mad, Smith Brothers Cough Drops usually give soothing, pleasant relief. Black or Menthol—5¢.

Smith Bros. Cough Drops are the only drops containing VITAMIN A

Vitamin A (Carotene) raises the resistance of mucous membranes of nose and throat to cold infections, when lack of resistance is due to Vitamin A deficiency.



ACT III



A new breed of Kincaids appears on the scene in 1941 when young Lacey, just turned 18, leaves college to become a U. S. Army pilot.



On his 70th birthday, Grant refuses to talk to Linda, now married and ranching out West, because she once disgraced the family.

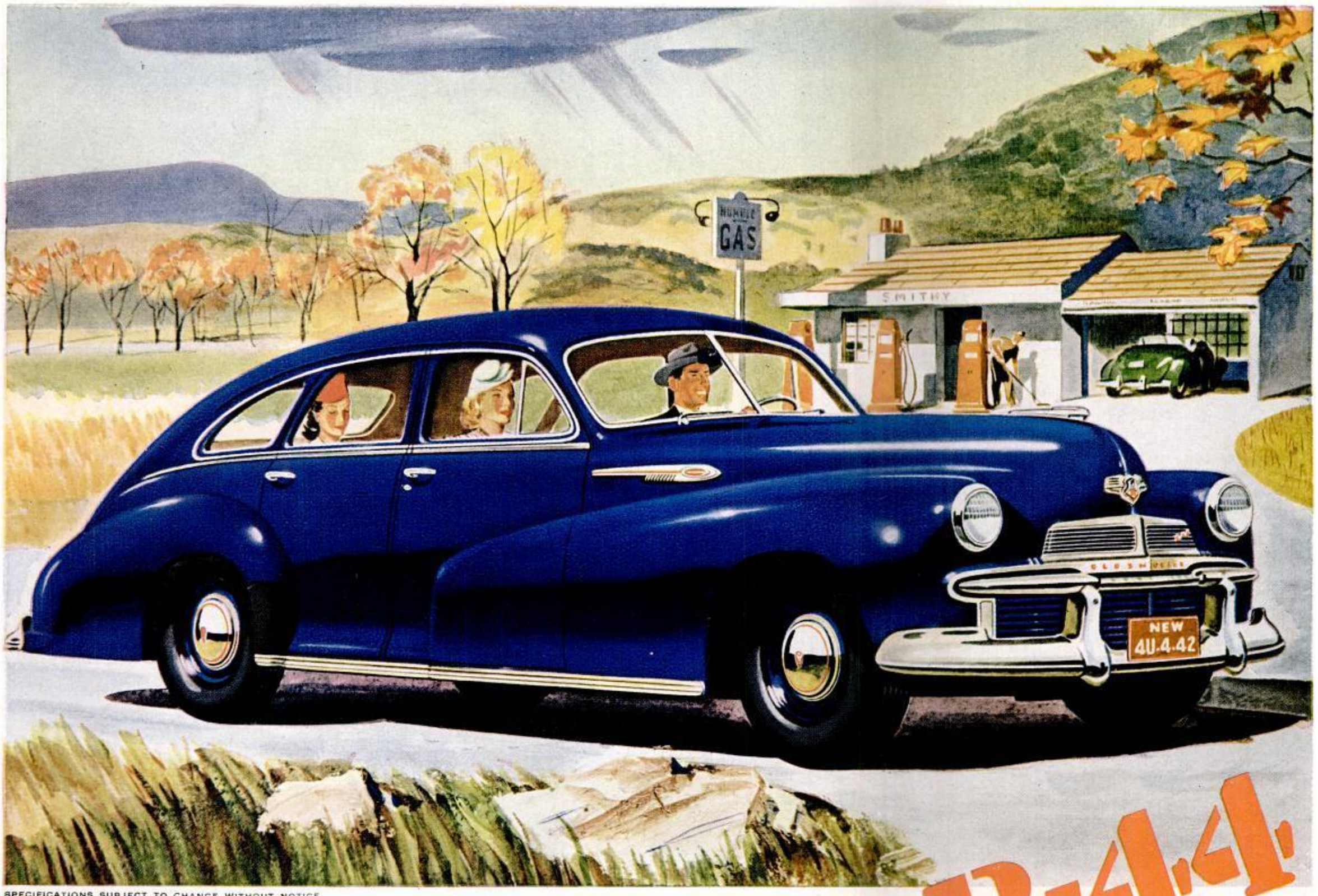


The meaning of America is driven home to Kincaids when Tana's son returns from Europe's concentration camps a shattered wreck.

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Hydra-Matic HELPS YOU SAVE AMERICA'S GASOLINE!



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B-4-4

BETTER LOOKING, BETTER LASTING, BETTER BUILT THAN ANY OLDS IN 44 YEARS!

NOW TRY Hydra-Matic IN THE GREAT NEW*

HYDRA-MATIC

1,000 ENGINE REVOLUTIONS WILL TAKE YOU . . .

1700 FT.

WITH STANDARD TRANSMISSION

2130 FT.

WITH HYDRA-MATIC DRIVE

The engine of a four-speed Olds Hydra-Matic turns over slower at cruising speeds—carries you 430 feet farther with each 1,000 revolutions than a standard transmission car—thus saves you gasoline.

★Optional at Extra Cost

"USE LESS GAS!" says Uncle Sam. "Drive the Hydra-Matic way!" is Oldsmobile's answer. For Oldsmobile, in addition to its large defense activities, has developed a new car—and still further improved Hydra-Matic Drive—to meet today's unusual transportation needs. Oldsmobile's No. 1 job, of course, is defense. The quantity production of artillery shell and airplane cannon gets first call on Oldsmobile's plants, materials and man power. Oldsmobile's *remaining* facilities are devoted to building the new B-44—a fine, all-quality automobile that's designed for extra long service. And just as the B-44 is designed for the economy of long life, Hydra-Matic Drive is engineered for extra gasoline economy. Engineering tests and reports from owners prove that Hydra-Matic saves from 10 to 15 per cent on gas. *See* the Oldsmobile B-44 (two Sixes, three Eights.) *Try* Hydra-Matic driving—*now* at your Oldsmobile dealer's!

YOU CAN ALWAYS COUNT ON

OLDSMOBILE

IT'S QUALITY-BUILT TO LAST!

TO SERVE THE VITAL NEEDS OF TODAY'S AMERICA!

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Give a Gift of Gaiety for Happy Holidays!

IT'S BOTTLED SUNSHINE . . . LANGO WINE . . . AS GLORIOUS TO GIVE AS TO RECEIVE!





"HOLIDAY GATHERINGS or everyday meals, there is no finer complement to your food, or compliment to your guests, than the serving of Lango Wines. And what happier gift at this joyous season—or any time throughout the year—than Lango, the 'Personal Choice of International Wine Experts'."

LOVELY KAY ALDRIDGE, the Lango Sunshine Girl, says, "Mark my words, you'll be cheered by everybody—and vice versa—when you give delicious Lango Wine for Christmas!" (Kay's smart holiday hat and dress specially designed by Hattie Carnegie, famous New York stylist.)



QUALITY INSURANCE



Wines bearing the GoLan Quality Seal have been personally approved by . . .

THE GOLAN QUALITY CONTROL BOARD

HENRI LANSON, Chairman . . . member of the famous Champagne family of Reims, France . . . consulting wine taster, appraiser, master vintner.

ALAN DUNNING, scientific grape grower . . . fermentologist . . . wine maker . . . a leading wine authority, credited with having made more wine than any man in America.

JOHN MALCOLM, vineyardist . . . wine merchant . . . appraiser . . . a recognized authority on cocktail and dessert wine, fermentology and maturation.

THE GOLAN QUALITY GUILD

Nineteen of California's finest wineries are joined to maintain the highest standards in viticulture, wine making and maturation; to maintain the GoLan policy of "better grapes, better wines."

LOOK FOR THIS SEAL the next time you purchase wine. Ask your dealer.

So Delicious, You'll Marvel at the Price!

FROM the finest vineyards in the world, from skilfully nurtured sun-ripened grapes . . . Lango Wines are products of both the Old World and the New . . . of centuries-old experience and skill . . . plus modern, scientific methods and the bountiful natural gifts of California sun and soil.

Yet only those selections which pass the expert, exacting judgment of the GoLan Quality Control Board, are bottled under the Lango label. All the better dealers have Lango Wine, in the varieties you like. Order Lango Wines by name, today.

Copyright 1941, GoLan Wines, Inc.

APPROVED BY GOLAN'S OWN QUALITY CONTROL BOARD

LANGO

SELECTIONS FROM 19 FAMOUS WINERIES

California Wines

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JOAN FONTAINE SUSPECTS CARY GRANT IS IRRESPONSIBLE ABOUT MONEY WHEN HE BORROWS COIN TO PAY FARE. SCENE ON EUROPEAN TRAIN IS MARK OF A HITCHCOCK MOVIE

MOVIE OF THE WEEK:

Suspicion

Hitchcock directs a tale of torment

There is hardly a human being who hasn't been tormented by the suspicion that someone is plotting against him, usually in small ways. Sometimes he only imagines the plot, sometimes he finds real or circumstantial evidence that piles up until suspicion grips him with cold horror. On this theme, a top-notch English thriller, *Before the Fact*, written by Anthony Cox under the pseudonym Francis Iles, was published in 1932. Now this story is converted into an RKO movie, *Suspicion*, directed by Alfred Hitchcock. *Suspicion* is more purely a character study than the usual Hitchcock melodrama, but it bears his directorial trademark of steadily mounting suspense.

Not satisfied with the novel's original ending, RKO filmed four new endings, none of which, including No. 4, seemed exactly right. But *Suspicion* is a good picture regardless of its ending. In an excellent all-English cast, Joan Fontaine is the sympathetic wife who gradually suspects her husband of criminal intents, and Cary Grant is her charming, untrustworthy husband. In the following pictures you see some of the stages by which this wife, against her will, becomes the victim of suspicion.



Is he a philanderer? Joan wonders as Cary kisses her after their meeting at a hunt ball which he crashed without invitation. Cary is notoriously fickle, but he proposes to Joan.



Is he a spendthrift? Joan and Cary return from honeymoon to a luxurious new home provided by Cary. Here the decorator presents a huge bill which Cary blandly ignores.

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WORLD'S BEST PROVIDER — *but STARVATION* stalks his home!*

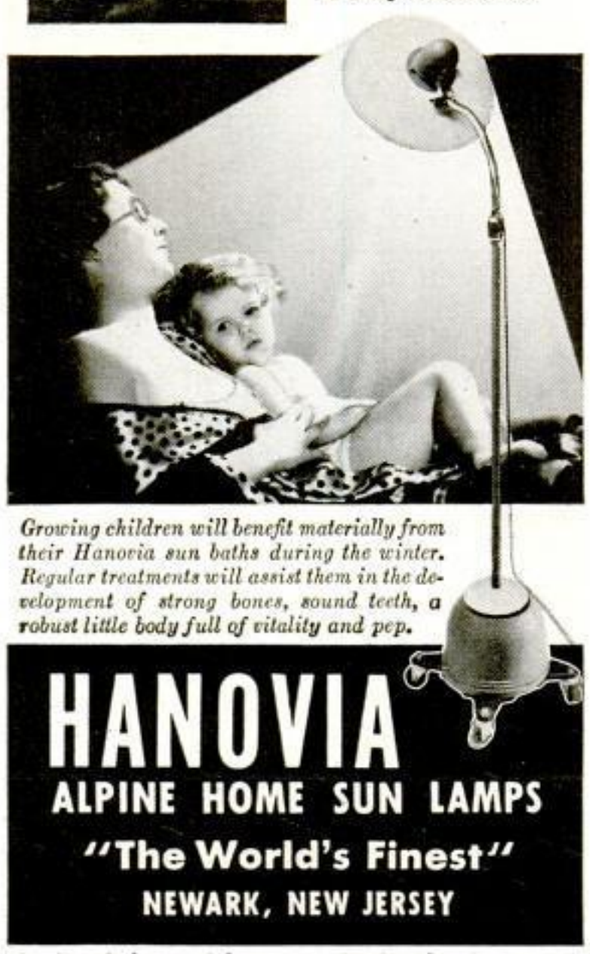
It's commonly known that the average American is the world's best provider. He doesn't stint when it comes to providing his family with life's necessities—and most of its luxuries. Yet in spite of his proportionately large share of life's bounty, each winter he unknowingly courts a serious form of starvation—sun starvation*!

Sun starvation is simply a lack of a normal amount of healthful sunshine, and during the winter when the sun radiates only 1/12 as much health-giving ultraviolet as in summer it's apt to strike anyone. It's serious because it tends to sap one's vitality . . . weakens normal resistance, thus paving the way for colds and other common ailments.

But there's no need to worry about sun starvation with a Hanovia Alpine Sun Lamp at home. The marvelous tonic-like ultraviolet rays of a Hanovia lamp will help restore your ebbing energy. Regular sun baths will assist in avoiding common ailments...and help safeguard your (and the whole family's) health all winter.



Only selected quality, fused quartz is employed in forming a Hanovia "burner." Fused quartz has the property of transmitting more ultraviolet light over a wider range of wave lengths than does any other material used in lamp construction.



Growing children will benefit materially from their Hanovia sun baths during the winter. Regular treatments will assist them in the development of strong bones, sound teeth, a robust little body full of vitality and pep.

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"Suspicion" (continued)



Is he a liar? Cary has promised his wife he would never gamble again, but here he returns from winning on a long shot at the races, laden with magnificent presents for his wife, his friend, and even a fur neckpiece for the maid.



Is he after her money? When Joan's wealthy father dies, Cary (*right*) joins the members of the family to hear the will read. But Joan inherits almost no money, so Cary's hopes are dashed. He is too irresponsible to go to work.



Is Cary a swindler? During a game of anagrams Cary persuades his rich friend (Nigel Bruce) to form a corporation for a new real-estate development. During the game Joan happens to spell out the word, MURDER.

CONTINUED ON PAGE 62



. . . with a new pair of

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Windshield Wiper Blades

"Splash-blind" again in speeding traffic! It happens to *you* . . . each time the tires of a passing car slap a puddle of smeary road-muck against your windshield . . . and your old wiper blades are too dull to clear it. Why be trapped in these tough spots? . . . Now . . . for a dollar or less . . . you get . . . put on for you quickly at almost any good gas station . . . a handsome pair of keen new Anco "Rain-Master" Wiper Blades. One-piece moulded rubber. Precision-made. Patented design. Ten full-length wiping edges. Already original equipment on many high-grade cars . . . because they clean *quicker* . . . clean *cleaner* . . . last *longer*. Play safe! Protect yourself and your passengers. Have a pair of Rain-Master Blades put on next time you buy gas.



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THIS Christmas, thousands of boys and girls will receive Corona portable typewriters, because they are probably the most useful, lasting gifts a parent could give.

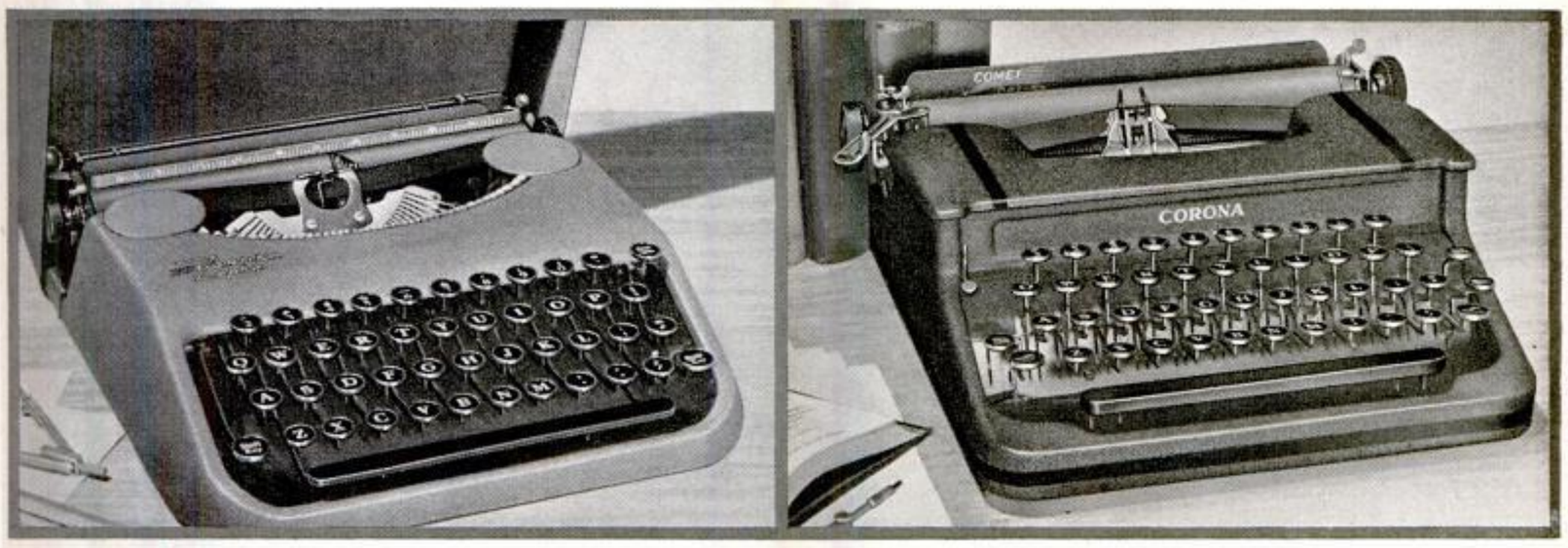
Many eight year old children are ready for a typewriter . . . can easily and quickly learn to use a Corona for school and homework.

And all through life, in college, in business and practically all professions, a Corona portable will stand in good stead, aiding in building a career.

Coronas are not expensive and they last for many years. There are *six* different models to choose from, ranging from the lowest priced Corona Zephyr *Regular* model to the Corona Speedline Silent, the finest, most complete portable in the Corona line.

Ask your Corona dealer to let you take a Corona home and try it out *free*. You can also buy a Corona on easy terms, for not much more than it costs to rent one.

Make this Christmas a happy one for "someone" in your family...see your Corona dealer today and order your Corona before the Christmas "rush" begins. Corona portable typewriters are the ideal gift this Christmas.

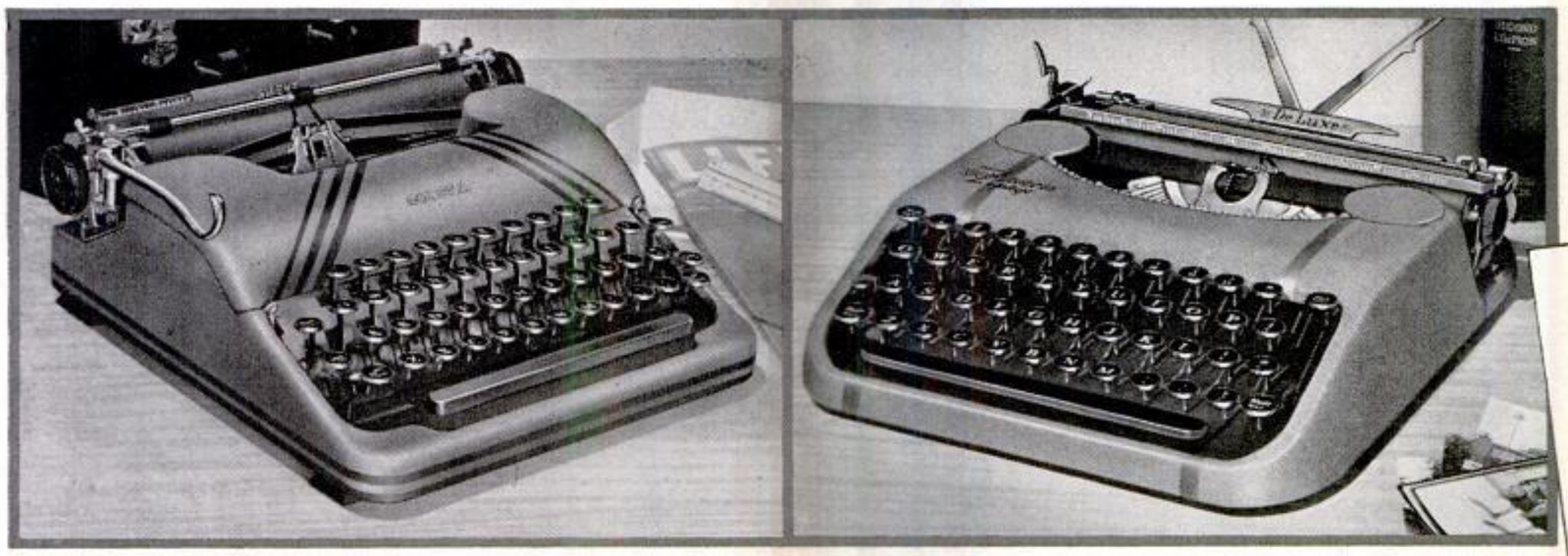


THIS CORONA ZEPHYR *Regular* model weighs about 9 lbs. . . . fits in a desk drawer or even a briefcase. It's the ideal portable for beginners. Has shift key for capital letters, symbols and punctuation. *Regulation* standard keyboard, back spacer and other features. Fast, sturdy, efficient. List Price $29.75*.

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THIS CORONA ZEPHYR DE LUXE is the pride and joy of travelers, on trains, in the air and at sea. Students also prize it because of its extreme portability and up-to-date design. It has many features found only on the larger, more expensive portables . . . fast, easy to operate, and sturdy. United Air Lines are now using this portable on board their fleet of *"Mainliners"* for the convenience of passengers. Try it the next time you fly. List Price $39.75*.

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Is he planning a murder? Joan's suspicions are further aroused because Cary, who reads mystery stories, is intently discussing how a murderer in the book had killed his victim by making him fall off a high bridge.



Has he committed a murder? Joan hears that Cary's friend has mysteriously died. She is haunted by the suspicion that Cary may have murdered him in order to get the money he invested in the real-estate corporation.



Now will he murder her? Joan has learned that Cary has tried to borrow on her insurance, but can get money only if she dies. Here she watches Cary approach with a glass of milk for her which she fears is poisoned.

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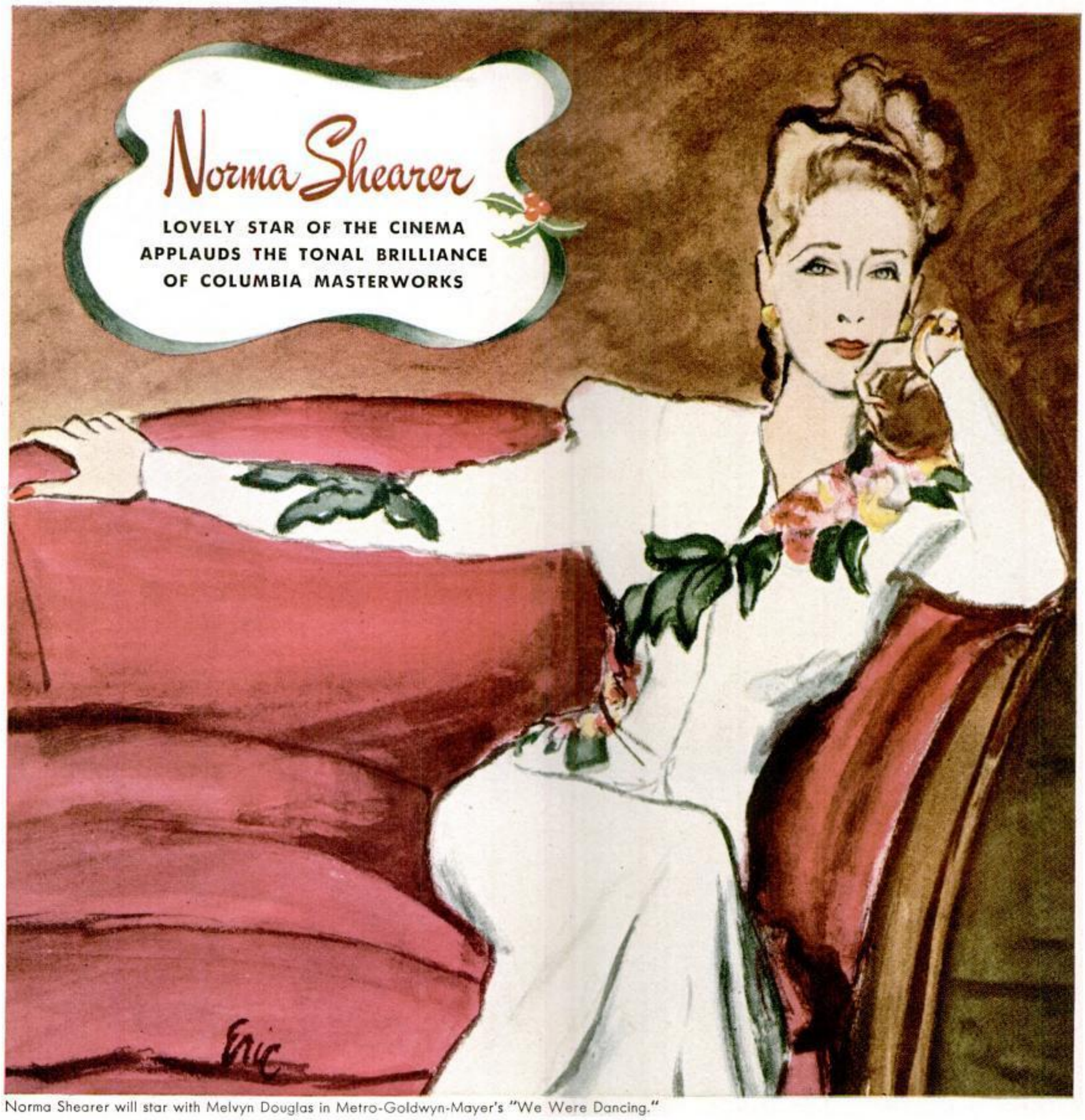
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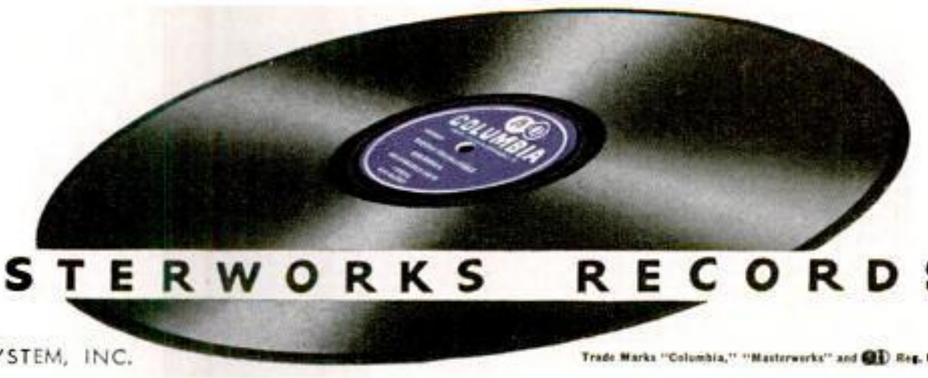
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GIVE HER A LANE

See these latest **LANE** *models and many others now at your Lane dealer's!*

A Million Maidens Yearn for This Romantic Love Gift

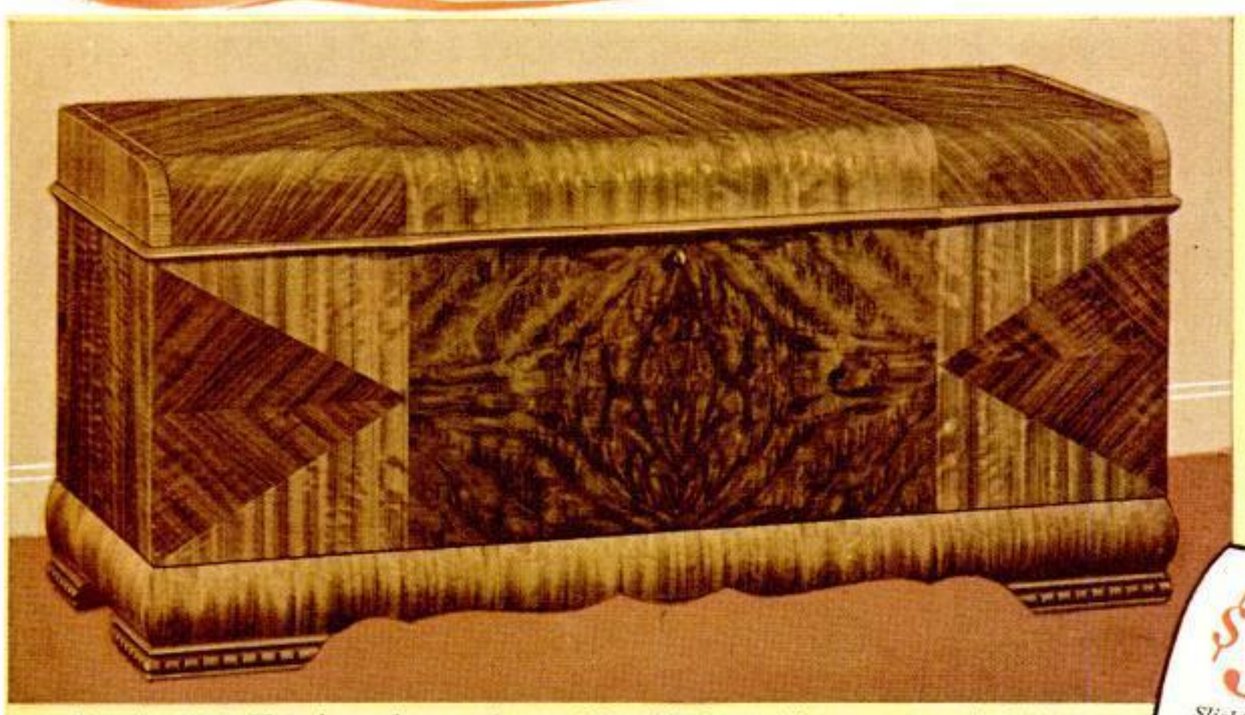
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These glorified modern hope chests are the only aroma-tested cedar chests in the world—and are backed by free moth insurance policies written by one of the world's largest insurance companies. Finished in gorgeous waterproof veneers that never peel, they surpass in workmanship the skill of the old masters. See latest models at your Lane dealer's. The Lane Company, Inc., Dept. L, Altavista, Virginia. In Canada: Knechtels, Ltd., Hanover, Ontario. *Also makers of Virginia Maid Cedar Chests without Lane's exclusive features.*

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(Illustrated at left)

No. 48-1955. Here is modern craftsmanship at its finest. The center panel of this modern waterfall design is 4-piece matched black Walnut Stump, flanked by matched New Guinea wood and Walnut. Top has inlay of New Guinea wood. Equipped with Lane Patented Automatic Tray.

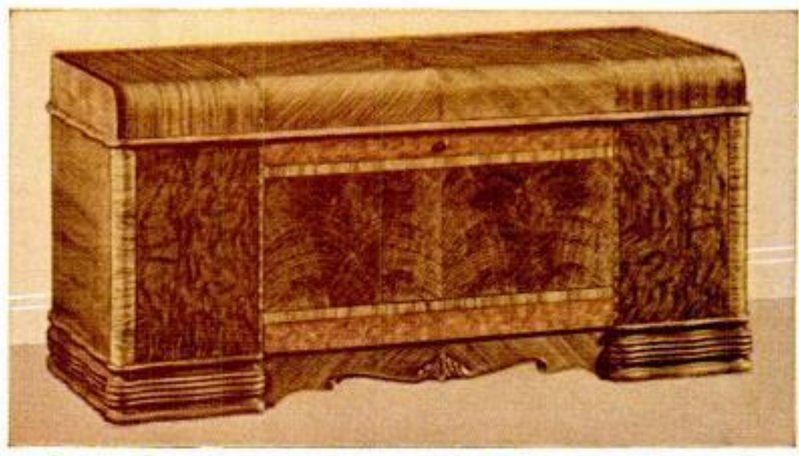


No. 44-1964. 18th Century drawer design in Honduras Mahogany. Top two drawers are simulated. Hand-rubbed satin finish.

No. 48-1848. Center panel is 4-piece matched Walnut Stump flanked with Maple Burl and Oriental wood with marquetry inlay and Zebra border. Has secret drawer, automatic light and tray.



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No. 48-1971. 4-piece matched Walnut Stump center panel flanked with arrow-matched Oriental wood and borders of New Guinea wood. Drawer has Oriental wood inlay. Equipped with Lane Patented Automatic Tray.



No. 48-1850. The diamond-matched Primavera center panel is flanked by Faux Satine Crotch in this superb chest. Top and base rails are matched Primavera. Equipped with Lane Patented Automatic Tray.

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LANE
Cedar Hope Chest
The Ideal Love Gift

LANE'S *Christmas* SPECIAL

(Illustrated above)

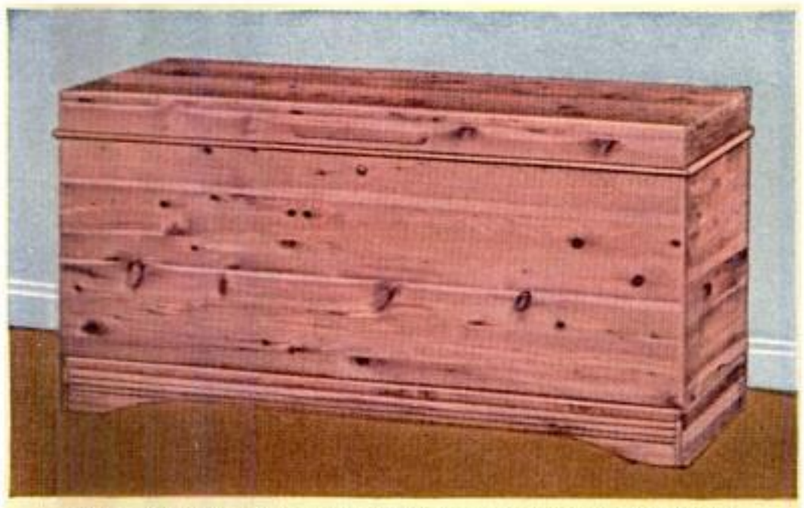
No. 48-2000. A remarkable value in a superbly finished, spacious chest of modern waterfall design. Front panel is 4-piece matched American Walnut. Balance of chest is Walnut. Hand-rubbed and polished finish. Equipped with Lane Patented Automatic Tray.

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There is only one genuine Lane Cedar Hope Chest, and it can be had in over 200 styles and woods . . . from $15.50 up.

LANE
Cedar Chests



No. 48-1925. An extra large, roomy storage chest built of solid Aromatic Red Cedar. Available in three sizes.



No. 48-1896. 4-piece matched black Walnut Stump center panel flanked by Zebra wood, New Guinea wood, Maple Burl and Tulip wood inlay. Drawer in base. Clock included.



No.48-1876. Contemporary design in pencil-striped Walnut. Can also be had in bleached Mahogany. Hand-rubbed and polished. Lane Automatic Streamline Tray.

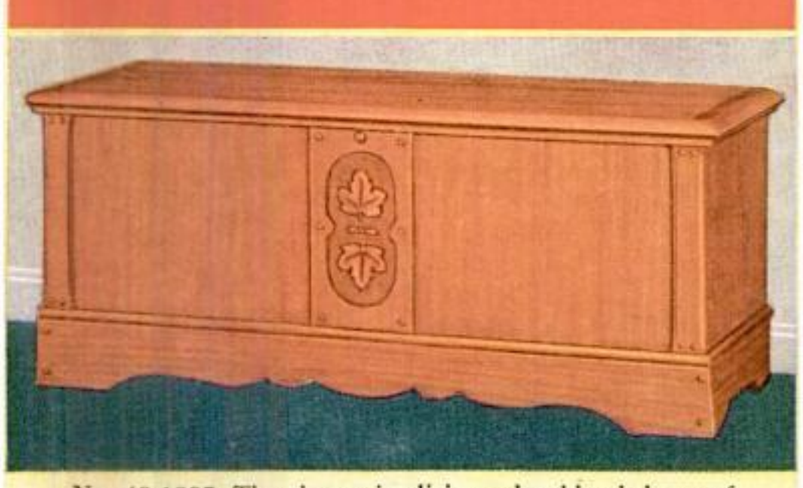
LANE
Cedar HOPE CHEST
THE GIFT THAT STARTS THE HOME



No. 44-1983. A colonial drawer chest in antique Maple with simple lines of extraordinary beauty. Has large, convenient drawer in base.



No. 48-1880. 4-piece matched Walnut Stump center panel flanked by 3-piece match of figured Oriental wood. V-matched figured Oriental wood top. Lane Automatic Streamline Tray.



No. 48-1897. The chaste simplicity and golden balance of its design make this colonial chest in antique Maple a thing of extraordinary beauty. Has Lane Patented Automatic Tray.



No. 44-1617. The "Hampton." Authentic colonial lowboy with simulated drawer front. Veneers and solid pieces are all Honduras or Amazon Mahogany. Hand-rubbed dull satin finish.

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For the crankcase, the world's favorite winter oil, new Mobiloil Arctic. *It now cleans as it lubricates.* Then, chassis, radiator, gears protected. And a tankful of fast-starting Winter Mobilgas.

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ABDULLAH PONDERS HIS BONE CHESSMEN. WEARING FINE GOLD-THREADED ABA, HE DOES NOT LOOK HIS 62 YEARS. BACKGAMMON AND BINGO ARE PREFERRED ARAB GAMES

Abdullah's palace overlooks Amman. Two wives and three daughters are hidden on rear top floor. Lights illuminate the palace at night. Offices and study are in the small palace behind.

EMIR ABDULLAH

THE SMART LITTLE ARAB RULER OF TRANS-JORDAN IS NO. 1 BRITISH PAWN IN THE MIDDLE EAST

In the heart of the dry Arab country behind Palestine, where the German and British armies may meet again some day soon, sits the Emir Abdullah of Trans-Jordan, horseman, crack shot, practical joker, poet, chess player and a very patient man. Now surviving head of the Hashimite descendants of the prophet Mohammed, he has waited 20 years for the British to make him king of all the Arab states, and he hopes his time has almost come. Abdullah was one of the Hashimite brothers who helped the British kick out the Turks and he is almost the only Arab with a real grasp of world history. The other Arabs have grown cool to Britain, but Abdullah is loyal. The British call him "The Ab." He now rules only the 35,000 arid square miles and 300,000 nomad Arabs of Trans-Jordan, but his portrait, as a sacred personage, hangs on the walls of the stone huts through all Arabistan. He jokes with his sheiks, putting them before distorting mirrors and riding them through the palace on bicycles. He gets $60,000 a year from Britain, listens daily to the British Arabic broadcast. He has two palaces in Amman (once called Philadelphia). On the following pages LIFE looks at Abdullah.

CONTINUED ON NEXT PAGE

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Behind the Emir's palace is pitched this black Bedouin tent. A true Arab, Abdullah does not really feel at home inside his carved stone walls. Every day after lunch he adjourns to the tent to spend his afternoon receiving desert sheiks, and inspecting his horses. At nightfall he rides into the desert. Even when he goes to London, he sleeps on the floor. He prefers to eat with his fingers on the floor, though he is a highly cultivated man. He is one of the most ostentatiously unguarded princes in the world and carries only a sheath knife to defend himself.



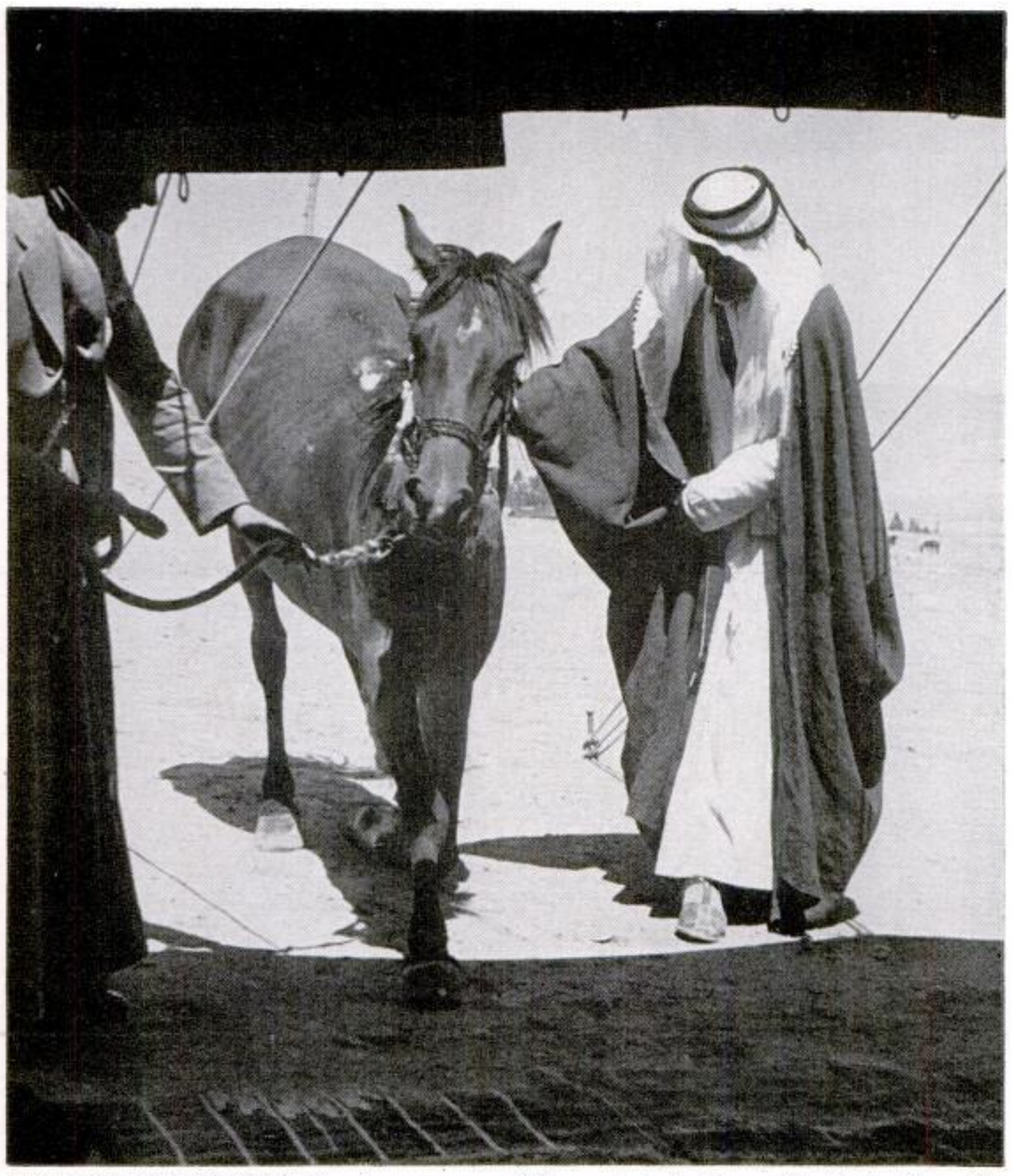
Saracen blade, 805 years old, carried against the Crusaders by a Sherif of Mecca, is in Abdullah's fine antique collection. His uncle was the Sherif of Mecca under the Turks, and Abdullah at age of 14 was taken to Constantinople with father and brothers as hostages for the Arabs.



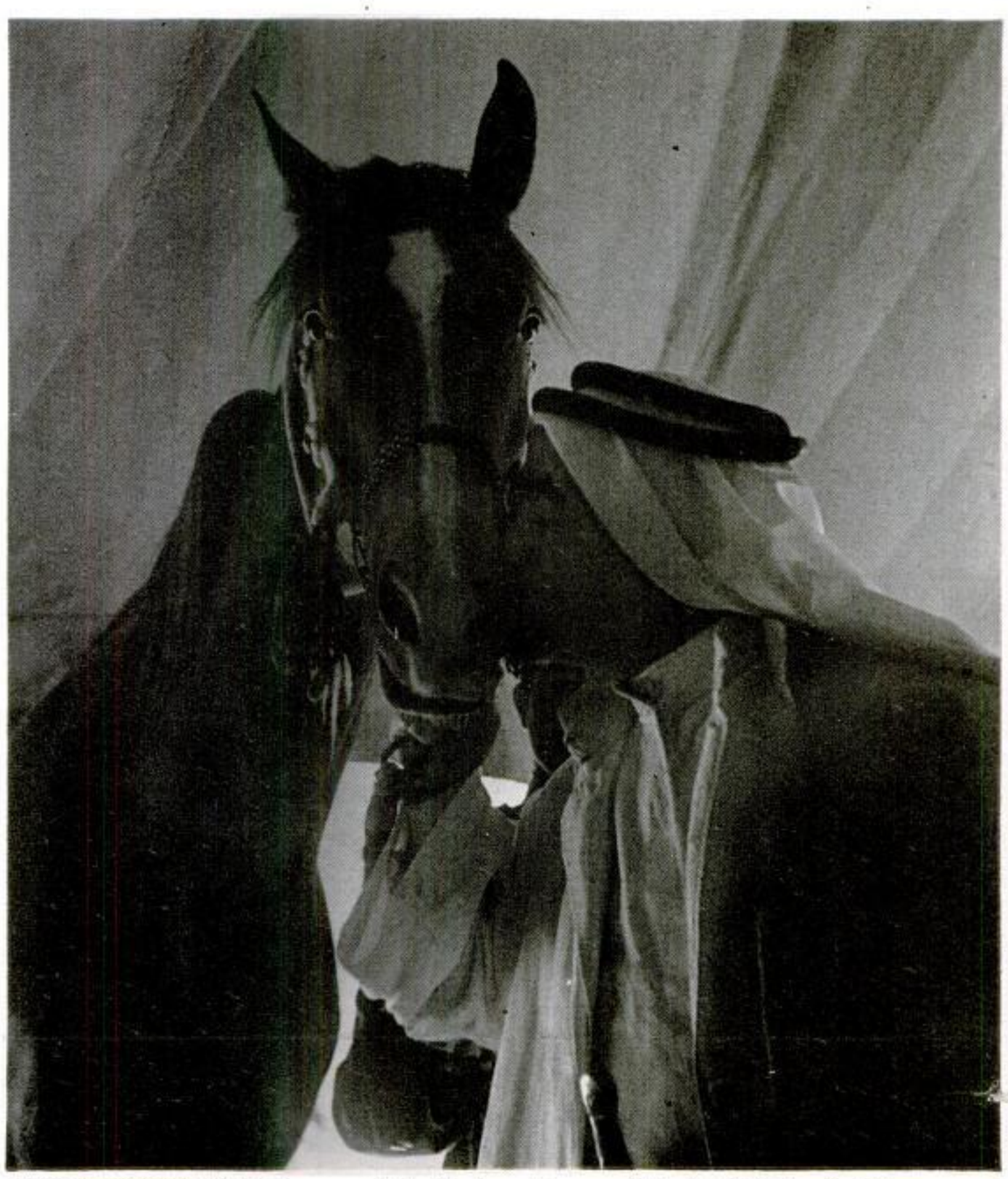
Rest palace faces the big palace across a valley. Man is his chief of suite, Mohammed Bey Zubbati, wearing smart modern dress of coat over *kaftan* robe, gold *khanjar* dagger in belt. Abdullah also uses an office building in the valley to see ministers for two hours in morning.

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Under black tent behind palace, Emir Abdullah (*fingering beard*) looks over his horses (*below*). At right is the paramount sheik of the Beni Sakhr tribe of southwest Trans-Jordan, Mithgal Pasha el Faiz. Left of the Emir is his second and pro-British son, Emir Naif, 25, in uniform of colonel of Arab Legion. Naif is also president of Tribal Court of Appeal. Elder son Tallal is pro-German and fought with father when Abdullah wanted to take on a Nubian wife. Emir wears white European sports shoes. Ground is covered with cheap Persian and Kurdistan rugs.



Arab mare kneels to Abdullah, who owns one of the greatest Arabian stables in the East plus 100 of the racing Omani camels. Arabs prefer mares in horses and camels, because they are less likely to whinny and fight among themselves during silent night raids on enemy tribes.



A kiss from Abdullah is the reward for his favorite mare, Sabel, which has had the unusual honor of being led into the tent onto the Persian rugs. Altogether, in his stables at the palace, Emir Abdullah now has a total of 25 horses. He gets them regularly as gifts from his sheiks.

CONTINUED ON NEXT PAGE 69

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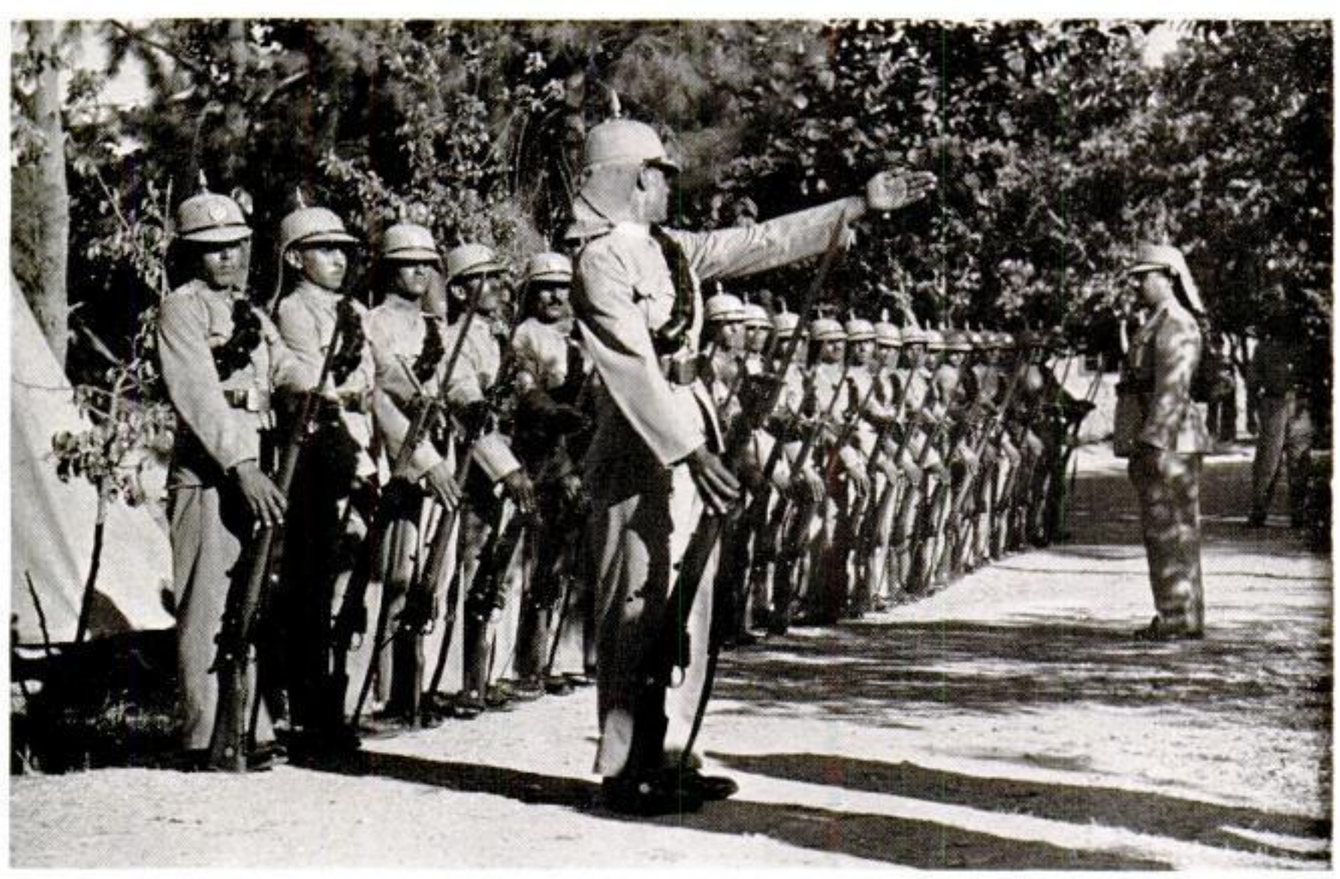
A jeweled English sword and eleven medals are presented by Abdullah to Major Glubb for his Legion's brilliant campaigns in Syria and Iraq.

MAJOR GLUBB, "SECOND LAWRENCE," LEADS THE EMIR'S DESERT LEGION

The Trans-Jordan Army that has already been a Godsend to Britain in the conquests of Syria and Iraq is the handiwork of an Englishman, Major John Bagot Glubb. Called officially El Farik Glubb Pasha, he prefers the title Rai el Boueidha (Protector of the Little White Camel), given him when he saved such a beast under fire. He is also affectionately known as Abou Heneik (Father of the Little Chin), because his chin was dwarfed by a wound in World War I. Glubb is a tiny, calm, shy officer with nearly as high prestige among the Arabs as the late T. E. Lawrence.

His army is divided in two parts. The Arab Legion, afoot and horse-mounted, recruited only from Trans-Jordan Arabs, uniformed in khaki with spike-topped helmets, acts as a police and defensive force. The Desert Patrol, recruited from all the Middle East, is divided into a mechanized striking force (*upper right*) and a camel corps (*lower right*) for country where cars cannot go. The Bedouins of the Desert Patrol are called "Glubb's Girls" because they braid their hair in plaits, blacken their eyelids and wear the full-skirted Arab dress, but they are formidable fighters.

The Desert Patrol of Glubb Pasha is the nearest thing to an Arab Union that the Middle East has yet seen. Not one has ever deserted, an amazing record. Sheiks intrigue for years to enter their sons in Major Glubb's Arab Legion school in the desert.



Desert Patrol striking force uses U. S. trucks, British armored cars and Lewis machine guns. Men eat Arab-style, with right hand only, and avoid pointing toes at one another, a serious breach of manners.

The Arab Legion wears helmet with flap designed by Glubb in imitation of ancient chain mail. This is desert camp of the Legion outside the jail, whose prisoners frequently enlist after serving their term.



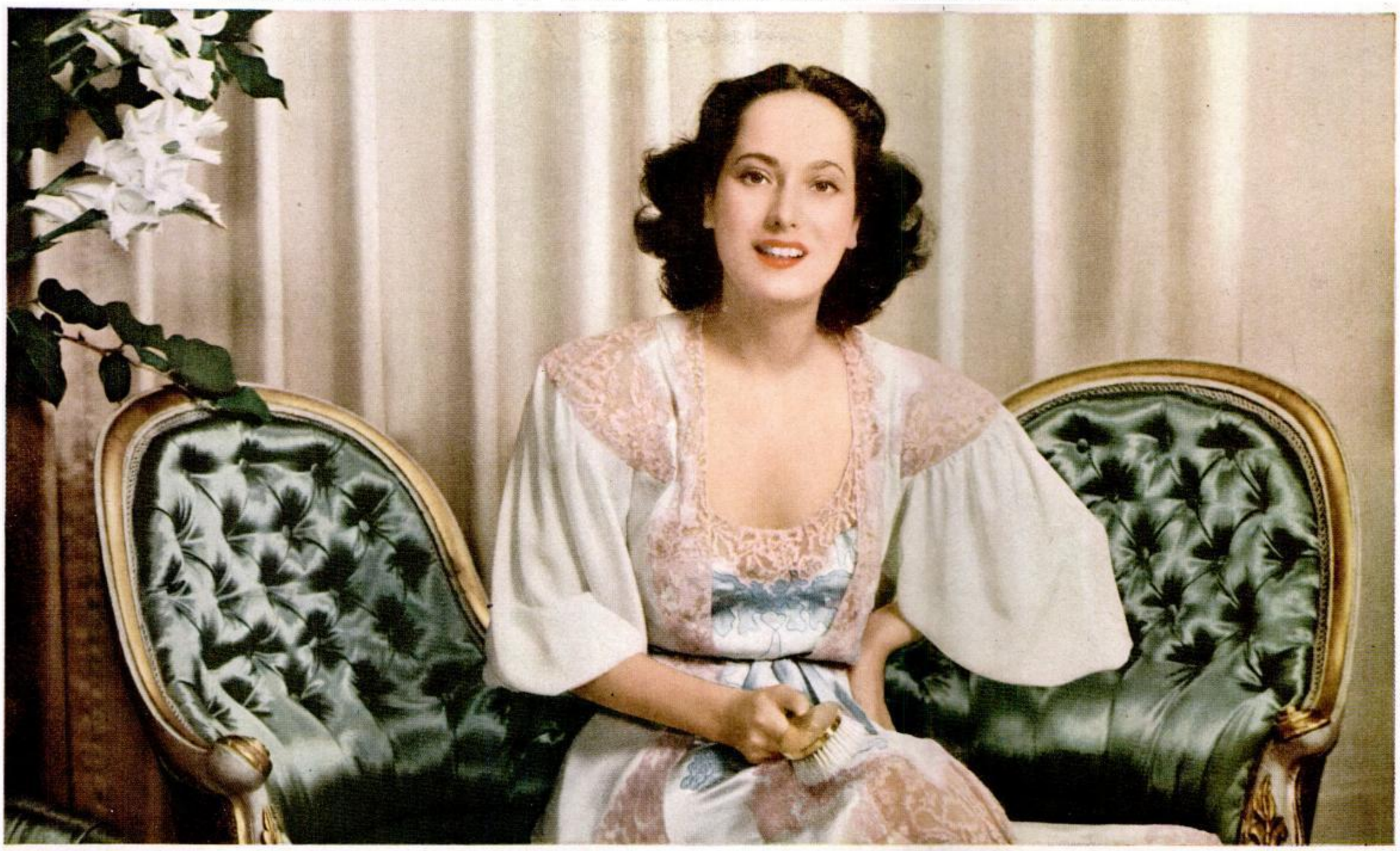
The camel corps of the Desert Patrol wears red, blue and yellow trappings woven in goat and camel hair. They sing on the march to set the speed of the camels, which are trained not to mind the noise of firing.



Glubb Pasha works in sweltering Amman office. His wife runs a school for poor Amman children whom she dresses in the Legion's cast-off uniforms.

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MERLE OBERON, STARRING IN "LYDIA," ALEXANDER KORDA'S EXCITING NEW PRODUCTION



Confides Merle Oberon, *the glamorous, creamy-skinned star of one Hollywood success after another:*

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"Every night at bedtime, I remove all make-up and soil with 3-way Woodbury Cold Cream, a wonderful cleanser that softens and smooths while it cleanses. I can *feel* it dissolving the day's accumulations; I can *feel* it soothing and suppling poor, tired, too-dry skin.

"Then off with this—on with fresh Woodbury Cold Cream for all night softening.

"Yes, that's my Woodbury Beauty Nightcap, and, simple as it is, it's done wonders for my skin."

• • •

For special skins—these special creams. If your skin is normal, Woodbury Cold Cream is all you'll ever need for beauty care. But if your skin is oily, cleanse with Woodbury Cleansing Cream. If dry, use Woodbury Dry Skin Cream at night. And for any skin, use a film of the new flesh-tinted Woodbury Foundation Cream for a perfect powder base.

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GIFT OF GIFTS — the new Automatic Blanket that keeps you cozy warm in bed no matter how the weather changes!

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This is the gift supreme! (And a word in the right place may bring one to *you!*) See it — at department stores, electric light companies, or other dealers.



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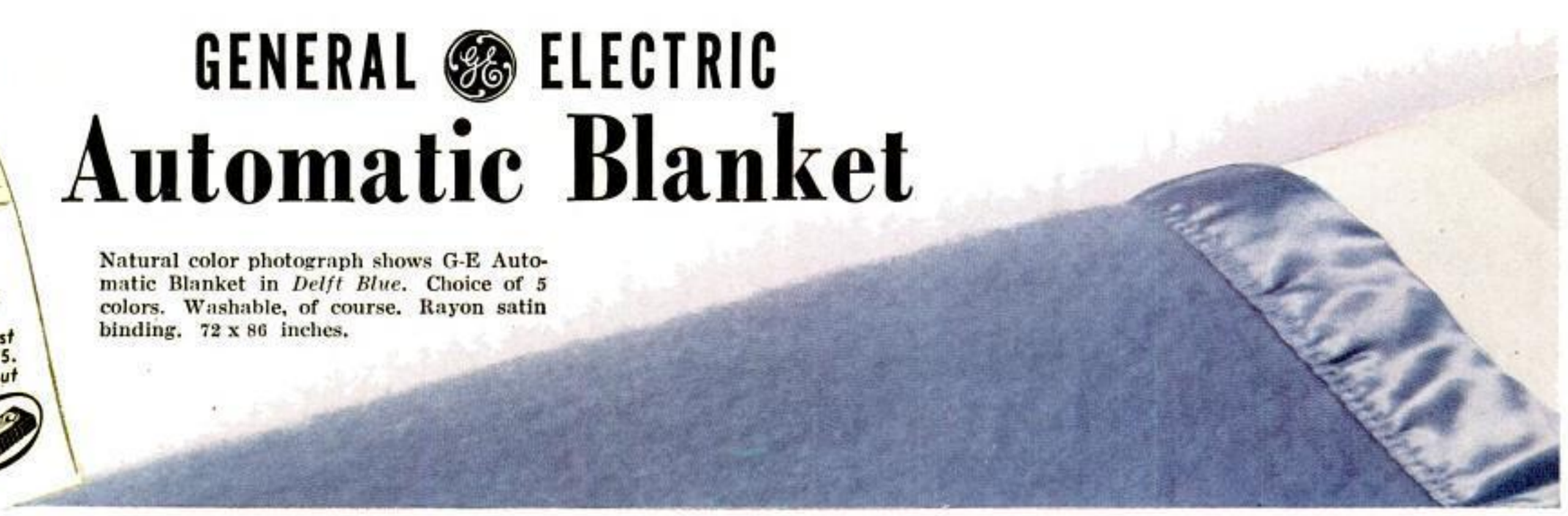
• If you can't find the Automatic Blanket on display, *wire collect* to General Electric, Dept. SO 1812, Bridgeport, Conn. to order. Shipped C.O.D. State color desired. Quantity limited—wire today!

$34.50 *plus excise tax. Pacific Coast and Rocky Mountain Area, $35.75. Prices subject to change without notice.*

The Blanket with a *Brain*

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Natural color photograph shows G-E Automatic Blanket in *Delft Blue*. Choice of 5 colors. Washable, of course. Rayon satin binding. 72 x 86 inches.



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2,500,000 BABIES ARE BEING BORN IN THE U. S. THIS YEAR. THEY WILL ALL LOOK AND ACT LIKE THE TWELVE ABOVE, PHOTOGRAPHED AT NAZARETH HOSPITAL, PHILADELPHIA

BOOM IN BABIES

IN 1941 THEY ARE FIGHTING A BIRTH RATE WAR WITH HITLER

Adolf Hitler has proclaimed that this world war is an inevitable struggle between his fertile German Reich and such sterile old nations as the U. S. and Great Britain. But this year a great baby boom has pushed the U. S. birth rate up to 18.5 babies per thousand of population, while Nazi Germany's is declining from its 1939 high of 20.3. If the trend goes on, next year may see the U. S. winning the baby war against Hitler, in birth rate as well as total production.

Today throughout the U. S., many maternity wards are booked solid through next May. Hundreds of parents are having babies for the first time in 10 to 15 years. In St. Anthony's Hospital, St. Louis, a grandmother recently had her first child in 20 years.

It is commonplace among obstetricians that "there are always more babies in wartime." In the U. S. the reasons for more babies are several. Young couples are going to work and getting married earlier. Older couples who could not afford babies during the depression are back on steady jobs. The 1940 draft marriages are producing a 1941 baby crop. But, whatever the reasons, the U. S. baby boom is bad news for Hitler.

CONTINUED ON NEXT PAGE

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PACKED IN BURLINGTON, VERMONT

Baby boom (continued)



In Wichita, Kans. hospital nursery is so jammed that a basket and foot tub are used for extra cribs. Basket contains twin girls. Wichita has four booming aircraft plants.

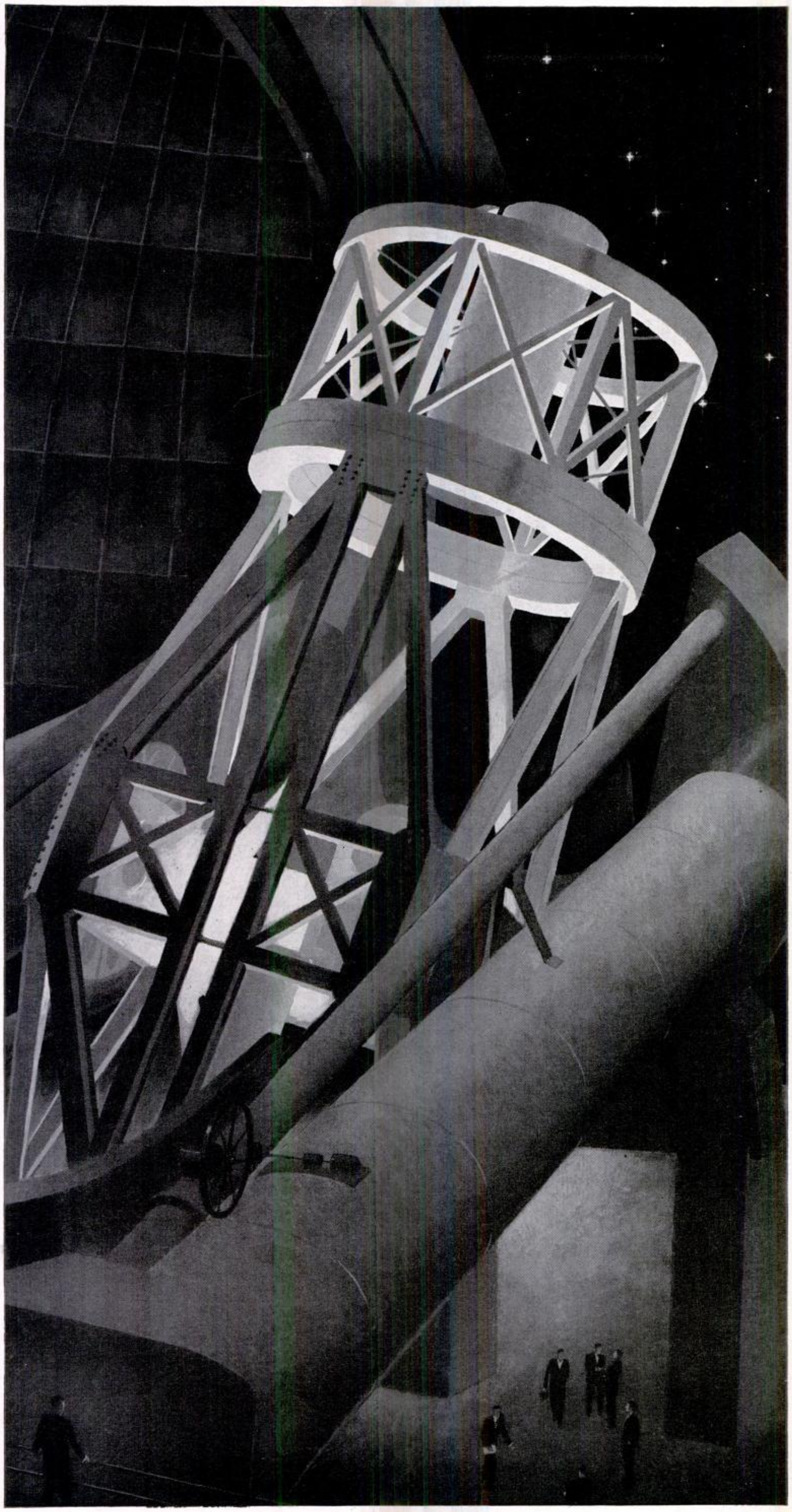


Wichita mother, Mrs. Willard Yenser, the wife of an aircraft office worker, is cared for in the hall because all hospital rooms are occupied. Mrs. Yenser had 7 lb. 11 oz. boy.



Wichita's overflow of mothers is housed in nurses' classrooms and surgical ward. Here Mrs. Cleo Rickert of Denver, Colo. holds week-old son in a bed in dispensary.

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BEYOND is....what?

Sailors for centuries have set the courses of ships by stars seen with the naked eye. Extending vision with powerful telescopes, Science has found in the sky facts of practical use in measuring time, in aviation, in radio. Science learned of the existence of helium...on the sun...before military balloonists knew so safe a gas could be found in Texas.

After eleven years of toil and the expenditure of millions of dollars, there is nearing completion at the Palomar Observatory in California a telescope with a mirror 16⅔ feet in diameter. It will have an optical range of *one billion light years!* When astronomers look into the reaches of outer space through a telescope twice the size of the largest now in operation, what secrets will be revealed? The world will probably benefit by the answer to that question.

As with ventures for profit, altruistic projects like this observatory are supported by funds contributed by men who have faith in their ultimate fruitfulness. It is an axiom that such funds come forward only on the implied assurance that they will not be sacrificed to fire, windstorm, explosion or accident. Thus, the forward march of human progress moves as a convoy under the protection of property insurance. And that is the story of America's development since the first term of President Washington, when Insurance Company of North America introduced to this continent the kind of insurance known today as "Standard protection"... Its promise to pay is guaranteed through capital advanced by stockholders.

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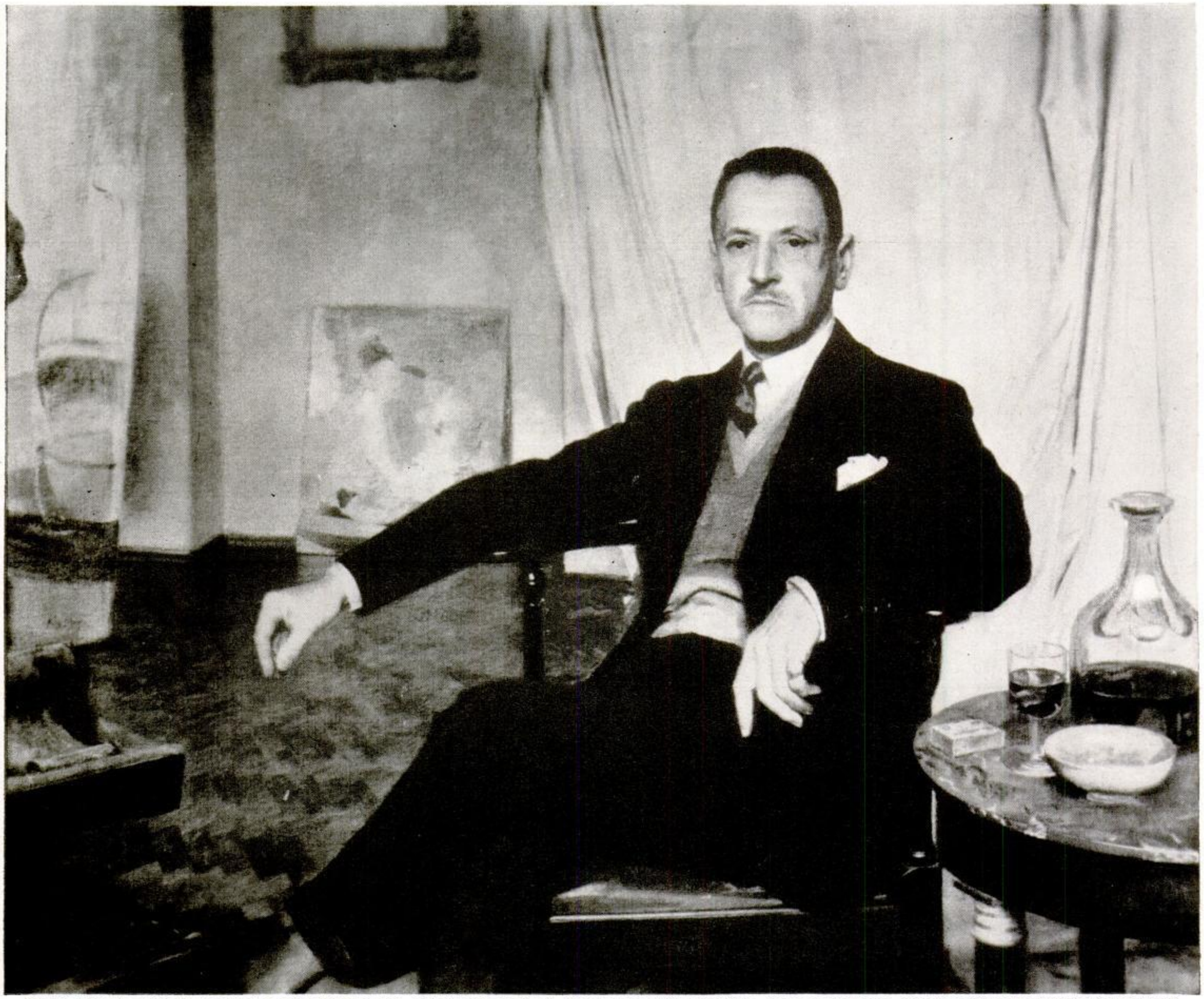
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SOMERSET MAUGHAM HIMSELF HAS POSED FOR MANY PORTRAITS. THIS ONE WAS PAINTED BY HIS FRIEND, GERALD KELLY, EIGHT YEARS AGO

PAINTINGS I HAVE LIKED

A GREAT NOVELIST TELLS OF HIS EXPERIENCES WITH ANOTHER ART

by Somerset Maugham

The most stirring thing that has happened to me during the last few months is one that on the surface might well seem to offer no occasion for excitement. I happened to be in San Francisco when they were showing that collection of French pictures which before the war the Republic, now defunct, had sent to South America with the propagandist intention of displaying to the peoples of its states the fine flower of French culture. I went to see it one Saturday afternoon. The gallery was crowded with young people. They were looking at the pictures with eager attention; they were discussing them with one another, they were pondering over them, and on many a face I saw a happy glow of delight which could be nothing but the outward sign of an inward and true emotion.

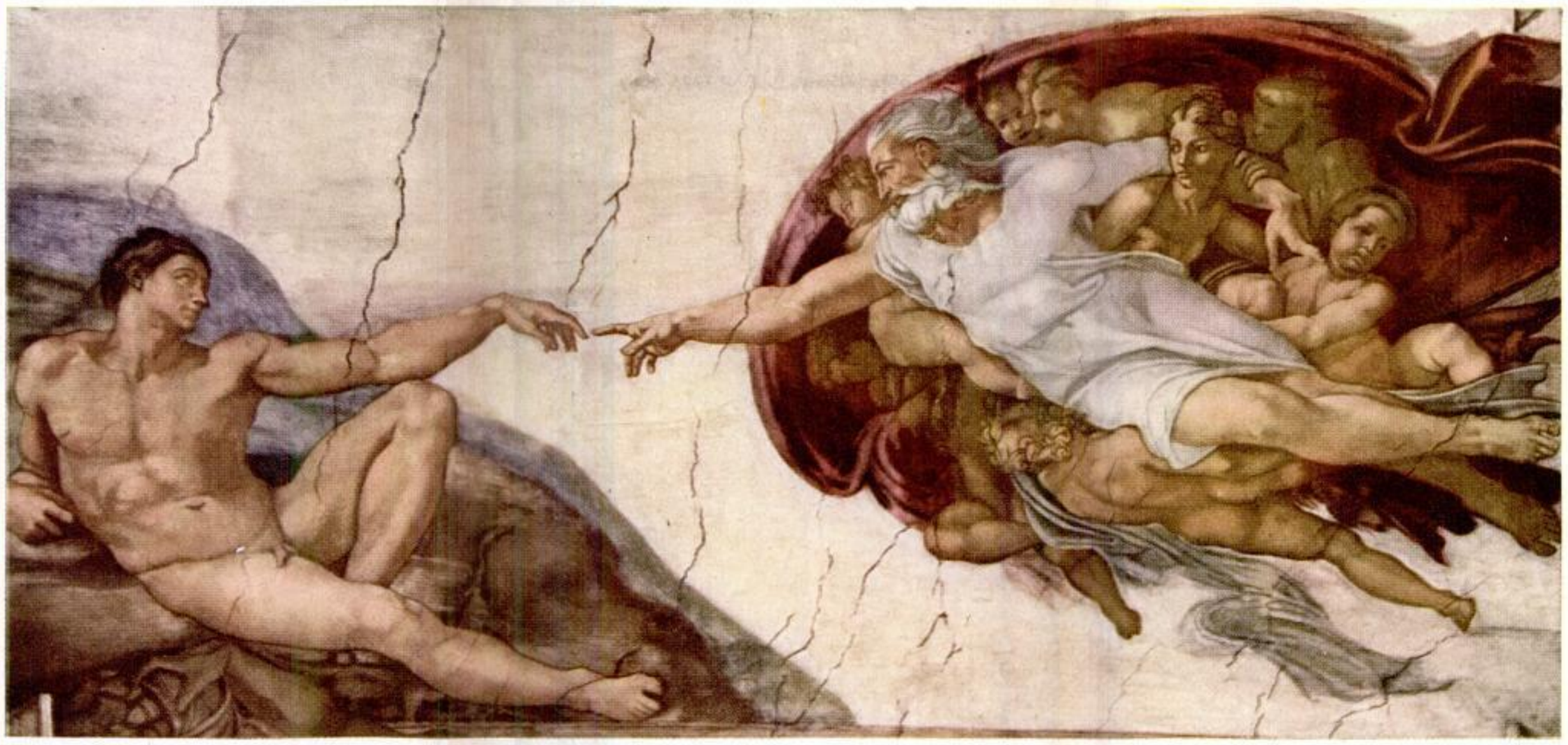
Now not all these pictures had an obvious appeal. They ranged from the school of Fontainebleau to those pictures of the modern masters to appreciate which, I should have thought, considerable acquaintance and some education in the art of painting were essential. But these young men and women were taking them, even the most advanced, in their stride; it did not appear to me that they were hostile to what was new and strange, but on the contrary were anxious to understand it in order to receive the communication which I cannot but think they instinctively felt might be of value to them. I do not believe that 30 or 40 years ago a similar exhibition could have attracted such an eager and interested crowd of the very young persons; many of them were college boys from Berkeley and their girls, but many were workingmen from the neighboring factories, with their wives, who had spent the whole week performing the self-same motions in monotonous toil. It was a deeply impressive sight. I may be grossly mistaken, but I like to think that it indicates an obscure reaction from the mechanization of contemporary life and the glimmering, perhaps even more than a glimmering, of a desire, not yet quite conscious, for the spiritual things that can make life richer and more varied.

Now I must tell you that I do not believe, as most people believed a generation ago, in art for art's sake. I do not think art is merely for delight. Many works of art have been produced, in painting, in music, in writing, which have no other aim and no other effect than to give pleasure, and they are to be prized because pleasure is good and spiritual pleasure is enduring; but the ultimate value of art lies in its moral value. Unless art enriches the soul and leads to right conduct it is merely entertainment and then is no more estimable than bowls or an ice-cream sundae. But great art does just that; and as I walked

MR. MAUGHAM'S ARTICLE IS CONTINUED ON PAGE 81

NEXT TWO PAGES, SOME OF HIS FAVORITE PAINTINGS

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THE CREATION OF ADAM

BY

MICHELANGELO

This is one small part of Michelangelo's vast fresco on the ceiling of Sistine Chapel in Rome. Commissioned in 1503 by the Pope, Michelangelo completed his job in four years, lying on his back atop a towering scaffold. His painting is a teeming panorama of scenes and people from the Bible. In this scene from "Genesis," he portrays Jehovah bequeathing life to Adam by the touch of his finger. It is a paradox of Michelangelo's art that it combines transcendent spiritual beauty with a sensual magnificence that has earned him the title "lord almighty of the naked figure."



MONT SAINTE-VICTOIRE

BY

PAUL CÉZANNE

While other artists of his time settled in Paris, Cézanne found inspiration at home in Southern France where in 1886 he painted this landscape. It is named after mountain in background (left). Cézanne gave great impetus to modern art by his theory that perspective and form could be suggested by subtle gradations of color. But here he seems concerned with more than technique. Here the winding river, the long railroad bridge, the straight pines, all suggest the peace and strength that Paul Cézanne felt in his homeland. The painting hangs in New York's Metropolitan Museum.

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THE SUPPER AT EMMAUS

BY

REMBRANDT

In 1648 Rembrandt van Rijn painted this Bible scene showing Christ after His resurrection having supper in a tavern with two disciples. In contrast to the detailed craftsmanship of other Dutch artists, Rembrandt achieved marvelously dramatic effects with broadly painted light and shade, and his figures, though sometimes half hidden in darkness, seem to make themselves felt simply by their living presence. Rembrandt took name "Van Rijn" meaning "of the Rhine" because he was born in Leyden on the River Rhine. This picture hung in the Louvre in Paris until it was removed before the German occupation.

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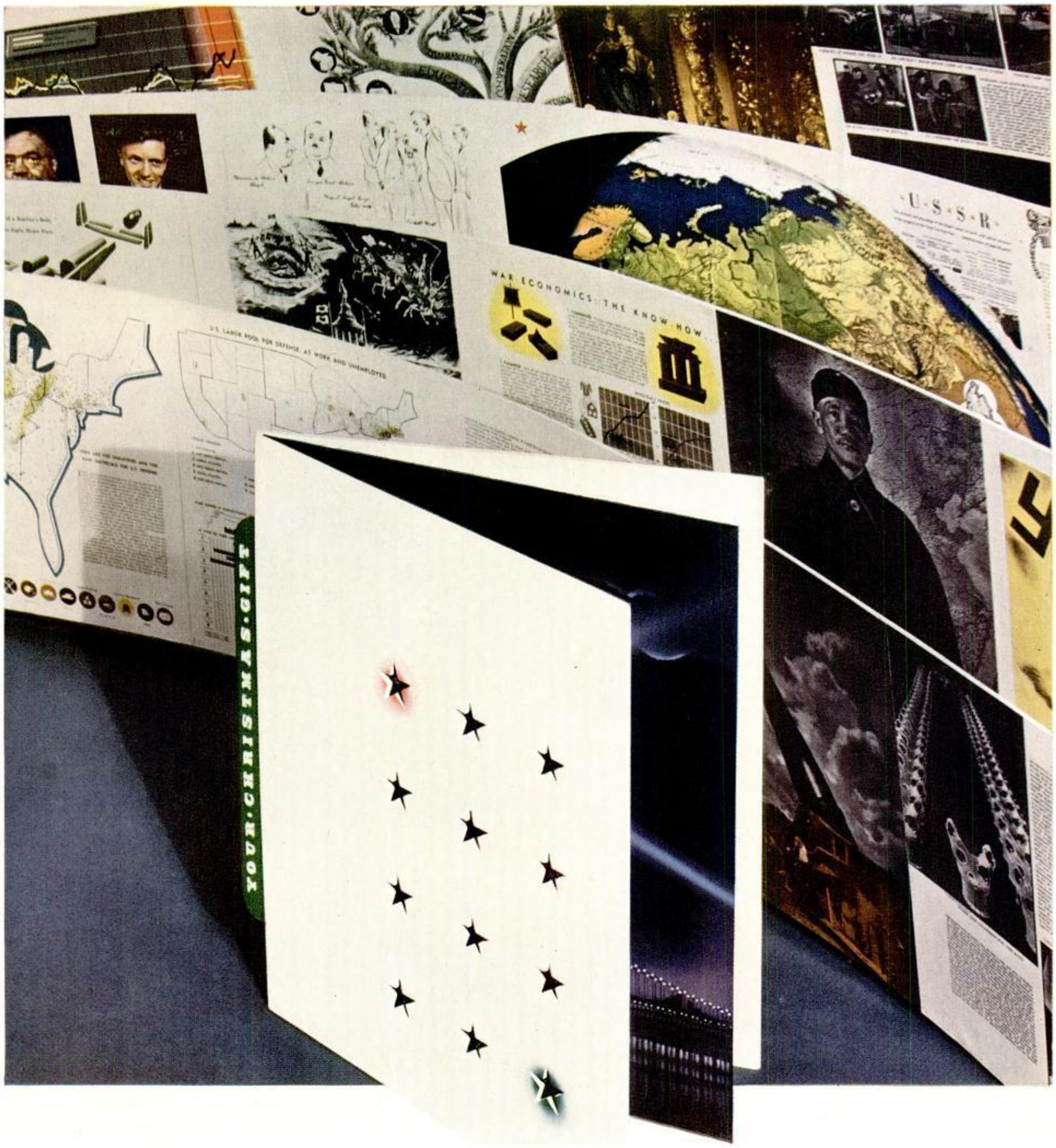
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PAINTINGS I HAVE LIKED (continued from page 76)

about the gallery, looking sometimes at the pictures, most of which I knew well, but more at the people, I could not but be exhilarated, for it seemed to me that their enthusiasm and appreciation, their receptive sensibility held a bright promise for the future of mankind. For in the end democracy depends on the virtue of the individual and great art conduces to virtue. We are the product of many forces and few of us can tell what the influences are that have worked to make us the sort of beings we are. That night, unable to sleep, I wondered what exactly these pictures, some of them so difficult, had meant to those people I had seen studying them and what result the impact might have on a happy few.

Many of us can point to a book we have read at an auspicious moment which has had the effect of a revelation. It may be the Gospel of St. John or the Confessions of St. Augustine, some dialogs of Plato, poems of Keats or Walt Whitman, or even a novel. I doubt whether any picture can have so violent and revolutionary an effect. The influence of graphic art is more temperate. For my own part I have a notion that there are certain pictures that have so profoundly moved me that they have had not a little to do with the sort of man I am; but before I speak of them I should like to say that I think the painters wrong who state that only those can appreciate or speak profitably of paintings who are intimately acquainted with technique. We peaceable citizens use a plane to take us from place to place and it is unnecessary for us to know the processes of its manufacture. That may be a matter of interest to the person of a mechanical turn, but it is not the particular business of the passenger. So a painter has a communication to make and it is this that is our concern; the steps he has taken to express his communication to the best advantage have nothing to do with us.

ART MAKES ENDURING IMPRESSION ON YOUTH

But whereas great books are within everyone's reach and he can get hold of them with ease and read them at his convenience, most great pictures have in course of time found their way into public galleries. Not many of us are so fortunate as to possess a picture whose appeal makes it a constant source of spiritual enrichment. The only millionaire I ever envied was the late Mr. Frick because he owned that portrait of Rembrandt's son which is known as the *Polish Rider*. I fancy that is a picture of which the emotional significance could hardly be exhausted. It is charged with romance. And since the masterpieces must be seen in galleries it can only be a matter of chance what pictures they will be that contribute to the development of any particular person. For it is in early youth that the spirit is most apt to receive those enduring impressions that mold the character and the young have no choice in their place of habitation.

I look upon myself as very fortunate that the circumstances of my life enabled me to frequent the Louvre at an early age and it is because I was so much and so often in Paris that some of the pictures in that rich, ill-kept and ill-arranged gallery have made so stable an impression on what I suppose I must call my subconscious self. I have not by nature good taste. The first room of my own I ever had I decorated with brightly colored pictures of juicy girls which I got out of the Christmas numbers of illustrated papers and I blush when I think of the pride I took in them. But in due course I grew ashamed of them and replaced them with large photographs of old masters; I can only remember that among them was a reproduction of a somewhat sentimental head by Van Dyck and of a landscape by Hobbema.

CONTINUED ON NEXT PAGE



TITIAN'S "ENTOMBMENT OF CHRIST" HAS ALWAYS MOVED MAUGHAM

Beneath Our Christmas Tree

☆ ☆ ☆

Every year on Christmas Eve since
I was just a lad,
We've put a package 'neath our
tree—and marked it: "Love—to Dad."
Just a pound of Edgeworth—though the
cost is really small
Of all the gifts that father gets
he likes it best of all.

Now later on when I grew up, that
famous tin of blue
Appeared beneath our Christmas tree—
but this time there were two,
For I had learned, from watching
dad, the joy a pipe can bring.
And trial and error taught me, too, that
Edgeworth was the thing.

Again this year, I'm proud to say,
beneath our Christmas tree,
We're putting gifts of Edgeworth, yes,
but this time there'll be three.
For my son has grown to manhood
now, and much to my delight,
He wants a pipe for Christmas
and I'm going to start him right.

Edgeworth is on sale at your dealer's in an attractive log cabin Christmas wrapping.

NOTE: For those pipe smokers who haven't yet discovered the joy of EDGEWORTH, America's Finest Pipe Tobacco, we print this coupon, as a means of getting acquainted.

LARUS & BRO. CO.
412 So. 22nd St., Richmond, Virginia
Please send me, *at your expense*, a generous sample of **EDGEWORTH** Ready-Rubbed—America's Finest Pipe Tobacco.

*Name*_____
(Please print your name and address clearly)
*Address*_____
*City or Town*_____
*State*_____ 412
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—because in age and taste it is Scotch Whisky at its best!



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PAINTINGS I HAVE LIKED (continued)

But before I was much older I saw a picture at the Louvre that after all these years has not lost its power to move and delight me. I must have seen it often before, but with an unseeing eye, and I cannot tell how it came about that one day it made an impression on me so poignant that it has lasted all my life. This was Titian's *Entombment of Christ*, which is in what they call the Salle Carrée. I suppose it is not considered one of Titian's most important pictures, for it is seldom illustrated in the books that have been written about him, and if I continue to find it one of the greatest pictures in the world it must be because there is something in it that says something of importance to me. I will not try to describe it, for pictures are there to be looked at and words are powerless to give a notion that the reader can translate into an image of the thing seen. You might as well try to tell a deaf man what a chorale of Bach's sounds like. Of course this picture has the sumptuous color which is common to most of the Venetians and it has a flowing rhythm that seems like the very palpitation of life; but it has more than that; the event it depicts is one of the most harrowing in human history, and the weeping women are bowed with grief, and yet it is instinct with beauty. The only thing I can compare it with is with those last pregnant words of Hamlet's: The rest is silence.

Not far from Titian's *Entombment*, in the Long Gallery, is another picture of his that I can never tire of and that is the *Man with a Glove*. Even when I bear in mind Velasquez's portrait in Rome of *Pope Innocent*, I think it the finest portrait in the world. It was painted between 1510 and 1520 and is supposed to be that of Girolamo Adorno, a Genoese, who was ambassador of the Holy Roman Empire at Venice. It is the portrait of a young man. It is so much alive that he seems to abide your question and you ask yourself, as you would of a recluse you had come across casually in some strange city in a far land, what is the poignant secret that his sealed lips withhold. He lived in courts and knew their intrigues and their deceptions. He knew the shallow loveliness of the Renaissance and his thoughtful mien, his disillusioned serenity persuade you that, like many another man of his period, he was learned in the wisdom of the ancients; but it may be that there is in those dark and wistful eyes a presentiment of untimely death and a nostalgia for something beyond the delight of art and letters, beyond the purposeless activity of life, the bustling of seafaring Genoa, the sensual magnificence of Venice, a nostalgia for the peace of the Absolute. He died at 33.

HE FINDS REMBRANDT STRANGELY SUPERNATURAL

Walking down the Long Gallery in imagination, for alas, with Paris under the brutal heel of the invader and its pictures scattered, for all I know, or hidden, that is the only way you can now visit the Louvre, I stop before one of its most moving pictures. This is Rembrandt's *The Supper at Emmaus*. The incident the artist has chosen to paint is narrated by St. Luke in beautiful words. The two disciples, you remember, were on their way from the city, talking together of the things which had happened and they were joined by one whom they took for a stranger, "for their eyes were holden that they should not know him. . . . And they drew nigh unto the village, whither they went: and he made as though he would have gone further. But they constrained him, saying, 'Abide with us: for it is toward evening, and the day is far spent.' And he went into the tavern with them. And it came to pass, as he sat at meat with them, he took bread and blessed it, and brake, and gave to them. And their eyes were opened, and they knew him, and he vanished out of their sight."

It is an intensely dramatic picture, but it is dramatic without emphasis so that if you did not know already that Rembrandt was a great artist, a master of light and shade, you might think that he had left the story to tell itself and that it was by a happy accident that he had produced a painting that is so profoundly satisfying to the aesthetic sense. It has none of the sumptuous color of Titian's *Entombment*, it is quiet in tone and restrained, but it has a sober, glowing richness that uplifts the spirit and I wonder to myself if it is that, or some deep emotion in the painter, that gives this little picture that strange feeling of the supernatural which to me is its most troubling and most appealing feature. It is one of the most deeply religious pictures of the world.

I saunter on, looking for my favorite Chardin, but I know I shall not find it, for it is not in the Louvre, but in the National Gallery in London. Chardin by many people is looked upon as one of the lesser masters. I do not think he is. For one thing he was eminently skilful. He had a wonderful talent for putting onto canvas the play of light and the savor of color and because he liked to do this he preferred to paint still life which he could arrange as he chose. He was a very even painter and I cannot think of a single one of his pictures in which he falls more than a little below his own high level.



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for a COUGH
due to a cold

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TITIAN'S "MAN WITH GLOVE" IS "FINEST PORTRAIT IN WORLD"

Now and then he painted domestic scenes, women at their chores, because he had to sell to eat, and it appears that people would not buy his still lifes. The patrons of his day asked for the human interest; it is strange that they did not see that the significance of his still lifes consists not only in their lovely harmonies and in their exquisite delicacy but precisely in their human interest; for Chardin's peculiar virtue is that he was able to see the beauty and the throbbing life that there is in humble ordinary things like pots and pans. You cannot believe he painted them merely because he could make a decorative arrangement of them and a delicate harmony of color; had that been all, he could hardly have painted them with such tenderness, and you cannot resist the conviction that they were to him somehow symbols of the pathos and the pity, the courage, the endurance, the goodwill and the honesty of the common people.

Some time ago I wrote a novel in which I had occasion to make a character, a Russian refugee, speak of a particular picture of Chardin's; it happened to be the picture in the National Gallery in London which I have just mentioned, but that did not suit me and so, taking the novelist's license, I feigned that it was in the Louvre. I put into as apt words as I could exactly the feeling it gave me and since I can express no better what I look upon as Chardin's deep significance I shall take leave now to repeat them.

ART IS A CLUE TO MYSTERY OF BEING

It is a tiny canvas on which are painted a loaf of bread and a flagon of wine. And isn't it wonderful, I make my character say, that with those simple objects, with his painter's exquisite sensibility, moved by the charity in his heart, that funny, dear old man should have made something so beautiful that it breaks you? It was as though, unconsciously perhaps, hardly knowing what he was doing, he wanted to show you that if you only have enough love, if you only have enough sympathy, out of pain and distrust and unkindliness, out of all the evil of the world, you can create beauty.

It's not only a loaf of bread and a flagon of wine; it's the bread of life and the blood of Christ, but not held back from those who starve and thirst for them, and doled out by priests on stated occasions; it's the daily fare of suffering men and women. It's so humble, so natural, so friendly, it's the bread and wine of the poor who ask no more than that they should be left in peace, allowed to work and eat their simple food in freedom. It's the cry of the despised and rejected. It tells you that whatever their sins men at heart are good. That loaf of bread and that flagon of wine are symbols of the joys and sorrows of the lowly and meek. They ask for your mercy and your affection; they tell you that they're of the same flesh and blood as you; they tell you that life is short and hard and the grave is cold and lonely. It's not only a loaf of bread and a flagon of wine; it's the mystery of man's lot on earth, his craving for a little friendship and a little

CONTINUED ON NEXT PAGE

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PAINTINGS I HAVE LIKED (continued)

love and the humility of his resignation when he sees that even they must be denied him.

I don't know if you can call the ceiling that Michelangelo painted for the Sistine Chapel a picture. It is surely the most impressive piece of painting that exists in the world. However often you see it you are filled with stupefaction. I do not suppose a nobler figure has ever been produced by the hand of man than that of Adam at the moment of creation. Its beauty takes your breath away. And those sibyls who sit brooding over the destiny of man have a stately grandeur that uplifts the heart.

The paintings I have spoken of before make their appeal by stirring the imagination, they speak directly to *you*, but the effect of this ceiling in the Sistine Chapel is, at least on me, somewhat different. It is not the beauty of the design and the sublimity of those superhuman figures that deeply move me, but the genius of the man who conceived and executed this stupendous work. The word genius is much abused; I have seen it applied to the author of a few Broadway successes and to the authors of two or three best-selling novels. But it can be as safely used of Michelangelo as of Shakespeare. When you crane your neck and strain your eyes to look at this ceiling in the end what overwhelmingly impresses you is the personality of the artist. His greatness is evident in every part of this vast fresco. It awes and humbles you and at the same time you are filled with exultation because man with all his weakness, all his shortcoming, is able to reach such heights. How can you think little of him when he is capable of so much nobility and it enthralls you to be assured that the soul of man is of infinite capacity.

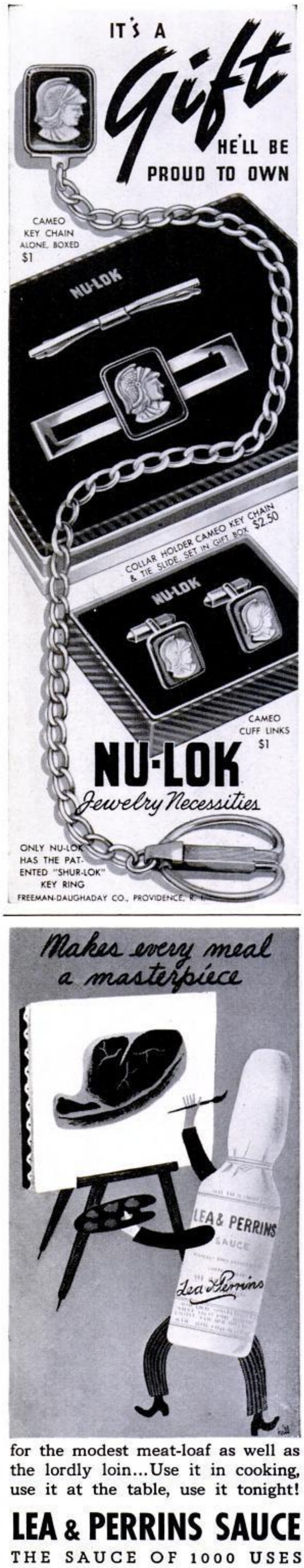
These pictures that I have spoken of have a high seriousness and even a tragic cast. That is not unnatural, for the great art I value, that which has a moral implication, is serious; it seeks, whether the mind behind the hand that painted it knew it or not, it seeks to offer a clue to the mystery of being and to shed light on the various soul of man. It deals with momentous things. Life is tragic and in beauty there are more tears than laughter. Man is a very strange animal, he can combine greatness of soul with many petty and discordant traits, but when he comes to produce a work of art it is from the greatness of his tortured soul that he delivers his communication.

Greatness of soul. It is this that gives a painting its deep significance. Take *The Embarkation for Cythera* by Watteau, also in the Louvre. It is a charming picture. Those graceful creatures in their pretty dresses are setting sail blithely for the island of the blessed hidden in the distant blue and in the gold dust of the sun. It is a gay, carefree scene and yet strangely suffused with melancholy, as though even while he painted the painter were conscious that joy was fleeting and unsubstantial and the bright day must end with questions that the delightful pleasures of the moment could not answer. But it is disillusion and regret that the picture suggests and that is not enough; it is a wistful rather than a tragic note, and so in the end the picture offers no more than enchantment to the eye. That is a great deal, but it does not nourish the soul.

MONET IS AS IMPORTANT AS A SPEAKEASY

I did not come to know modern pictures intimately till I was past early youth, and I have had to grow accustomed to them. I have had no great confidence in my judgment and with the passing years I have often changed my mind. Pictures which at one time I greatly admired have come to seem to me of not much consequence. When I was 18 a friend of mine was given a picture of a haystack and I could not make head or tail of it. It didn't look like any haystack I had ever seen and I thought it horrible. Time went by and I began to think it a very lovely little picture. It was fresh and living and the color was beautiful. I went on seeing this picture for 40 years and the last time I saw it I found it dull, empty and commonplace. It was painted by Monet. Monet had something to tell that interested a certain period, but it was not a communication pregnant with implications, and so when he had told it and you had profited by it you found nothing more to interest you in him. To me a picture by Monet is as important now as a speakeasy after the repeal of the Volstead Act.

I look in pictures for something to excite my imagination as well as to please my eye, and I do find it in the work of some modern painters, but I am more conscious that now I give as much as I get. By a process of association I enrich them with my memories, my reading and my experience. I do not think that Utrillo is a great painter, he is certainly a very uneven one, but I have occasionally seen a picture of what is called his white period that has wrung my heart. To someone who knows Paris, those street scenes of sordid suburbs, with their air of desolation and their hostile silence, are of an infinite sadness; those humble bedraggled houses are the dwelling places of the God forsaken and you are oppressed by the horror of their narrow, hopeless, cheese-paring lives.



for the modest meat-loaf as well as the lordly loin...Use it in cooking, use it at the table, use it tonight!

LEA & PERRINS SAUCE
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I would not own one of these pictures; it would be a constant reproach to me.

Then there is Gauguin. He is not a great artist either; I think his life and character more interesting than his paintings. I once wrote a fanciful description of a fruitpiece in the museum at Stockholm, but it is in his Tahitian scenes that he is most truly himself. They are deliberately stylized, but they have an idyllic character that does recall those lovely islands of the South Seas and for one who has lived in them they evoke memories of a kind of sensual content and a happiness of the spirit which the passing of time can never quite dim.

HE TREASURES DEGAS AND CEZANNE

There are two artists greater than these, Degas and Cézanne, and there is one picture by each of them that I treasure in my memory. Degas was the painter of the life about him; he painted ballet dancers and washerwomen, cafés and horse races. There is in the Louvre a picture called *L'Absinthe*, a picture of a shabby-looking man and of a wretched, sodden woman; they are sitting at a café table drinking, and in their attitudes, in their cowed sloth expose the degradation and the despair of vice. It is exquisitely painted, the composition is beautiful and the color is lovely. It is a tragic picture of real life. It is smelly and dirty, mean and yet with a strange fire—cynical, if you like, grim, unpleasant and yet infinitely pathetic. It is a document of the period.

Now I have only one more picture to speak of and that is Cézanne's picture called, I think, *Mont St. Victoire*. I do not know where it is now. It is a picture of Cézanne's native Provence, a green picture of a hill and olive trees and little red-roofed houses; it is dusty and hot and the torrid sun has soaked up the garishness of the Mediterranean color so that the greens are wan and the reds are pale; it is Provence. It is of course beautifully composed, for no painter of recent times has had to a greater degree than Cézanne the gift of what I can only call architectural construction, but that to the layman is no matter, he does not need to know what it is that gives him so intimate a satisfaction; to me the point of the picture is its earthiness and at the same time its spirituality, its sober truth and its tender poetry. It is Provence. It is the home of song and wine and laughter, the cradle of an ancient civilization, the land of beautiful memories and a rich culture, and the dwelling place of saints and husbandmen and black-eyed, smiling women. It is France, with its grace, its solid virtues and its love for the soil; it is France that for all its faults, so bitterly atoned for, is deathless.



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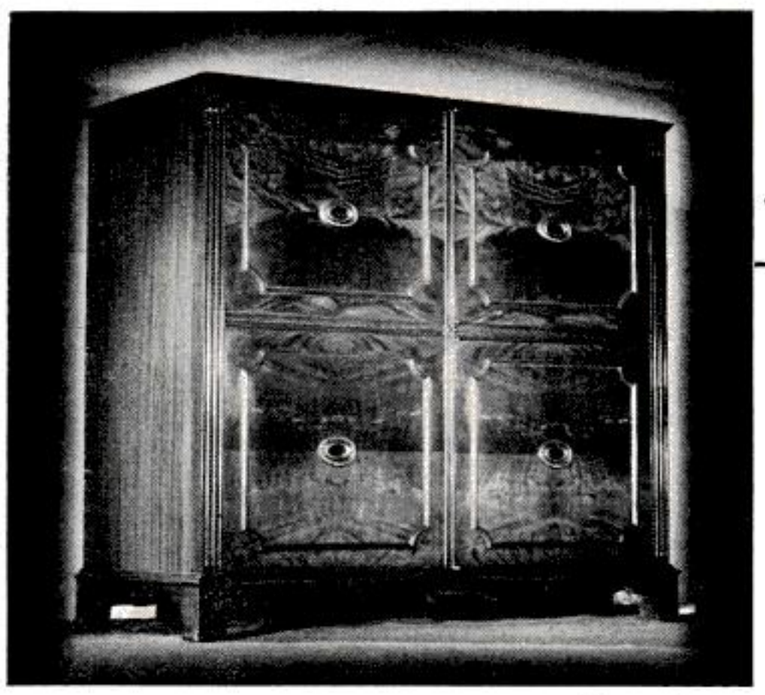
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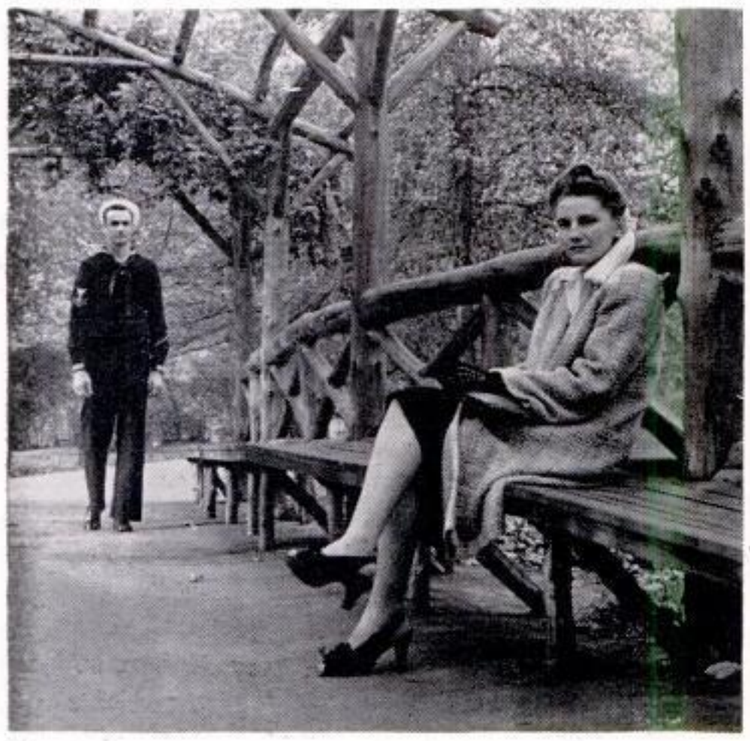
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SHORT STORY

THE TRUE ROMANCE OF A SAILOR AND A GIRL REACHES HAPPY END

Last September 18-year-old Josephine Phillips left her job as a spool girl in a Passaic, N. J. woolen mill and came to New York looking for a happier life and a better job. She had only $10 in her pocket, and no friends. Then she lost $7. So, to save her pennies for food, Josephine spent her nights sleeping in subways or sitting in Central Park, cold and pinched.

When there seemed nothing in the world worth living for, Josephine met 22-year-old Willis Langford from Victoria, Texas, who had enlisted in the Navy and was stationed on a New York Receiving Ship. Then tragedy and romance came to the Cinderella of Central Park in true O. Henry style. When her story was reported by Feature Writer Helen Worden in the *World-Telegram*, Movie Producer David Selznick was so impressed he bought it as the basis for a possible movie for Ginger Rogers, rewarded Bill and Josephine with $200 and a solid-silver dinner service. For LIFE's cameraman the couple re-enacted their romance, and in her own words Josephine supplied the captions.



1 "I'd been sitting in the park all day, trying to warm up in the sun," says Josephine. "About dusk a sailor walked up and said 'Hello.' I jumped, but I didn't answer him."



2 "He saw I looked hungry, so he bought me dinner and offered to buy me a room. I refused. We walked all night, looked at furniture in windows and pretended it was ours."



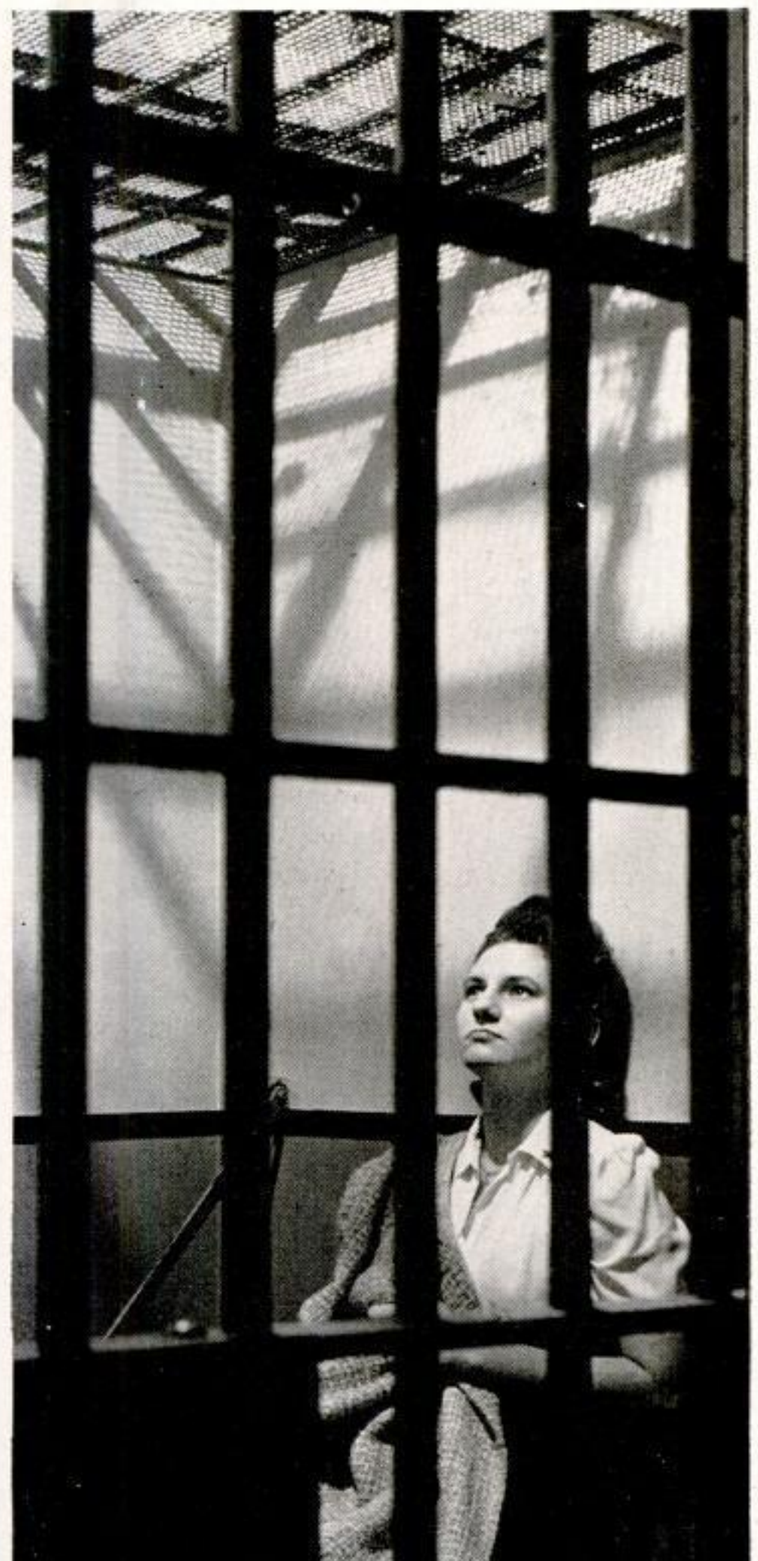
3 "After that we sat in the park and watched the dawn come. It turned the buildings up and down Fifth Avenue a lovely pink. I told him everything—and he understood."



4 "Then we went to the place we had dinner and ate breakfast. Only we didn't eat much—we were too happy. He had to go to his ship, but we promised to meet that night."



5 "But that night Bill didn't come. He sent a friend with a letter. The letter said, 'I'm so worried about you, honey. I've been transferred to Philadelphia. Keep your chin up.'"





6 "The cops picked me up while I was reading the letter. When I told them I had no home, they arrested me for vagrancy and took me to the station house in a police car."



7 "At the station house the lieutenant asked me everything—my name, and about my family in Passaic. But I would not tell him. I didn't give a darn what they did with me."

8 "In prison I thought about my life. It hadn't been a very pretty one. About the only nice memory in it, outside of my father, is Bill. My father's dead and Bill's gone."

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The Gift nearest their Hearts



Give Lasting Joy to Girl and Boy

Schwinn-Built Bicycles

Guaranteed for Life!

No thrill to match it . . . a Schwinn-Built for Christmas! . . . *A safe* bike, to bring young hearts the zest of motion, while the wind stings their cheeks rose-red and their young legs grow more sturdy with every pedal-turn. . . . *A safe* bike, to take them willingly to the store, to school, to visit friends, to join the "gang" on memorable outings!

Put them on Schwinn-Builts . . . you'll give their pride a boost . . . you'll double their fun! That's because they know the name Schwinn stands for the finest—for bicycle quality so pronounced that Schwinn-Built bikes are **Guaranteed for Life!** Half a century of experience in the successful manufacture of quality bicycles back up that lifetime guarantee!

See their faces light up when it's a real, honest-to-goodness Schwinn-Built* waiting beside *their* Christmas tree. A range of models and in a wide variety of colors—also the smart new Schwinn-Built Lightweights—at dealers everywhere. Write for a colorful Cyclorama-Catalog today. Sent free upon request.



FREE!

MOVIE CYCLORAMA, with full-color pictures of Hollywood stars and latest Schwinn-Built models. Write for a free copy. Arnold, Schwinn & Co., 1764 N. Kildare Avenue, Chicago, Ill.

*Tell Schwinn-Builts by this seal on the frame.

SCHWINN CHICAGO

Schwinn-Built Bicycles

GUARANTEED FOR LIFE



9 "After a week my cousin, Blanche, from New Jersey read about me in the paper. When the policewoman led me out to see her, I was never so happy in my life."



10 "I wrote Bill and told him all that had happened. That weekend he visited me at my cousin's and proposed. That's Rosalie on the rug—Blanche's daughter."



11 Josephine and Bill were married on Thanksgiving morning in Garfield, N. J. This picture was not posed for LIFE, but is real-life climax of a real-life story.

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"NUCOA'S NUTRITIOUS, UNIFORM GOODNESS *has spoiled us for other spreads"*

SAYS young *Mrs. Joseph Raine, Jr.*, who makes a happy "go" of running her home.



"The sweet, fresh flavor of NUCOA is always the same," she explains. "And we can count on its vitamin value *the year around*—in each pound, winter and summer, over 9,000 units of

VITAMIN A!"



"ECONOMY was my first reason for trying NUCOA eight or nine years ago," Mrs. Raine tells us. "And economy is still a big point. For when you can save enough on each pound of NUCOA to buy a quart of milk, it makes sense—as many nutrition experts suggest—to spread your food dollar that way. But there's another nice thing about NUCOA—its delicious flavor *never varies*. And now that we're used to this uniformity, no other spread tastes so good to us."



"LUNCH BOXES GALORE are put up at our house," says Mrs. Raine. "For Bud and his father to take fishing! For auto trips! For the three youngsters every school day! Nourishing NUCOA is grand for sandwiches. It doesn't get hard in the refrigerator, but stays satin-smooth and spreadable."



"NUCOA PUTS MORE FLAVOR IN," is young Nan's expression for the good taste of vegetables her mother seasons with NUCOA and for her mother's delicious NUCOA cakes, cookies and frostings. She's right, too! NUCOA, made from pure vegetable oils churned in fresh pasteurized skim milk (both products of American farms), enriches cooking as only a delicious spread for bread can do. But inexpensively!



THE RAINES ENJOY badminton, swimming, sailing, speedboating. And NUCOA helps furnish the joyous energy for these active playtimes. For NUCOA, which costs little to use lavishly, supplies as much food-energy as the most expensive spread for bread (3,300 calories per pound).

"NUCOA KEEPS fresh! Fine when we go to the mountains!" states Mr. Raine. Well, NUCOA *is* fresh! It is made the year round *on order only*—never held in storage. And the *sealed* triple wrapping gives extra protection.

• • •

We wish to thank Mr. and Mrs. Raine, who welcomed us to their home to take these informal kodachrome pictures.

THE BEST FOODS, INC.



HOME ECONOMISTS AGREE WITH MRS. RAINE IN LIKING NUCOA'S **UNIFORM** QUALITY AND GUARANTEED AMOUNT OF **VITAMIN A**. NUCOA NOT ONLY HELPS BALANCE THE BUDGET, BUT YOU CAN DEPEND ON IT TO HELP BALANCE THE DIET, TOO!

JEANNETTE RICHARDS POEY
B. S. Home Economics, 1930, New York University
M. A. Household Arts, Columbia University
Dietetic Certificate, Pratt Institute

For table use, tint NUCOA golden-yellow with the pure Color-Wafer included in each package. For cooking, use it just as it comes—a pure, natural white.



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What a beating your skin takes!

YOUR FACE THE ONLY PART OF YOU THAT IS NEVER PROTECTED MUST MEET EVERY KIND OF HAZARD . . . DAY IN, DAY OUT . . . THE YEAR 'ROUND



BITING WIND roughens and chaps any type skin. Cleanse with Palmolive, made with olive and palm oils . . . daily Palmolive facials help keep skin smooth, soft and supple.



SEARING SUN robs dry skin of its softening oil . . . threatens even oily skins. Cleanse gently . . . use gentle Palmolive.



CITY GRIME sifts over your face, clogging pore openings. Before irritation starts, cleanse with Palmolive's *thorough* lather.

HOT, DRY INDOOR AIR. Notice how taut and drawn your skin feels? Cleanse with Palmolive, made with olive and palm oils.



STALE COSMETICS. No, no! . . . don't go to bed with cosmetics choking your skin. Wash them clean away . . . with Palmolive.

Care for your skin with Palmolive...

MADE WITH OLIVE AND PALM OILS, ESPECIALLY TO KEEP COMPLEXIONS LOVELY

You can never forget your face for a minute. Your complexion loveliness is in danger right around the clock. No wonder women who cherish the charm of a smooth, soft skin *demand to know* what their beauty soap is made with. No wonder *millions* of women, sooner or later, turn to gentle, thorough-cleansing Palmolive.

They know Palmolive is made with olive and palm oils, treasured as beauty aids since Cleopatra's time. These *vegetable* oils (no animal fats) are the *only* oils used in Palmolive's making. This is true of no other leading soap. Yet Palmolive costs no more than the others.

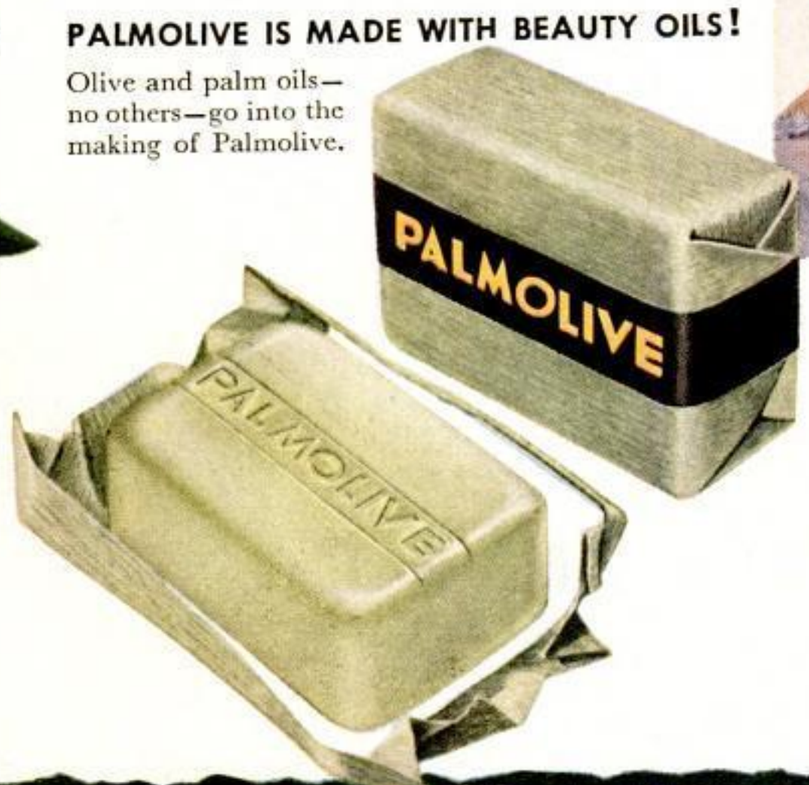
These facts . . . and the looking-glass evidence of Palmolive's benefits . . . tell convincingly why Palmolive is the largest-selling beauty soap in all the world.

Shouldn't you give *your* skin this coveted care?



PALMOLIVE IS MADE WITH BEAUTY OILS!

Olive and palm oils—no others—go into the making of Palmolive.





Through wind and sun . . . dirt and grime . . .
KEEP THAT SCHOOLGIRL COMPLEXION!

Yes, keep your skin radiantly alive, fresh as rose petals, ready *always* to meet his eyes. Be faithful, each night, each morning, to your Palmolive Beauty Care. Every day, remember this . . . Palmolive is made with olive and palm oils, prized beauty secret of lovely women through the ages . . . to help *you* keep lovely. Yet, *Palmolive costs you no more*. Will anything less than Palmolive do for *your* complexion?

NEW! MAN-SIZE, BATH-SIZE PALMOLIVE!

Extra-big . . . solid . . . longer-lasting. Really economical.

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ON A DISPERSION FIELD AT FORT PLAIN, N. Y. A P-40 IS CAREFULLY CAMOUFLAGED BY BRANCHES AND LEAVES CARTED FROM APPLE ORCHARD BY COAST ARTILLERY TRUCK

ARMY AIR FORCE

IT PLANS TO EXPAND TO A MILLION MEN

On June 30 last year there were 51,000 officers and men in the U. S. Army Air Force. Today there are 210,000. By next June there will be 385,000. Within two years there will be a million.

The Air Force last week did not boast about these cold statistics. It is not given to dramatics. But if it had been so inclined, it could have announced to the world that it was working a miracle. Out of the sweat of its officers' brows, out of thousands of drafting tables, out of millions of tons of steel and aluminum, out of the courage of America's finest young men, it was creating the greatest air force the world has ever seen.

The Royal Air Force (with 500,000 men) and the German Luftwaffe (with 1,000,000 men) still surpass the Army in quantity of men and planes. But already the U. S. is first in quality. Furthermore, the Army Air Force is no longer solely in the planning stage. Today it is a realistic, co-ordinated, hard-hitting force which would be even more powerful had not so many U. S.-built planes been sent to England and Russia.

Among the arms of the Army, the Air Force is second in size only to the Infantry. Under present plans it will become almost as large as all the other arms put together. To a considerable degree it is autonomous. Its planes, its pilots and its policies are not subject to regulation by high-ranking ground officers who know nothing about airplanes. It has its own chief, Major General Henry ("Hap") Arnold (*below*), who is responsible only to General George C. Marshall, Chief of Staff. No units of his command can be permanently assigned to any non-Air Force officer. However, because it is still part of the Army, it is prepared to work closely, on orders, with ground troops.



MAJ. GEN. H. H. ARNOLD IS HEAD OF ARMY AIR FORCES

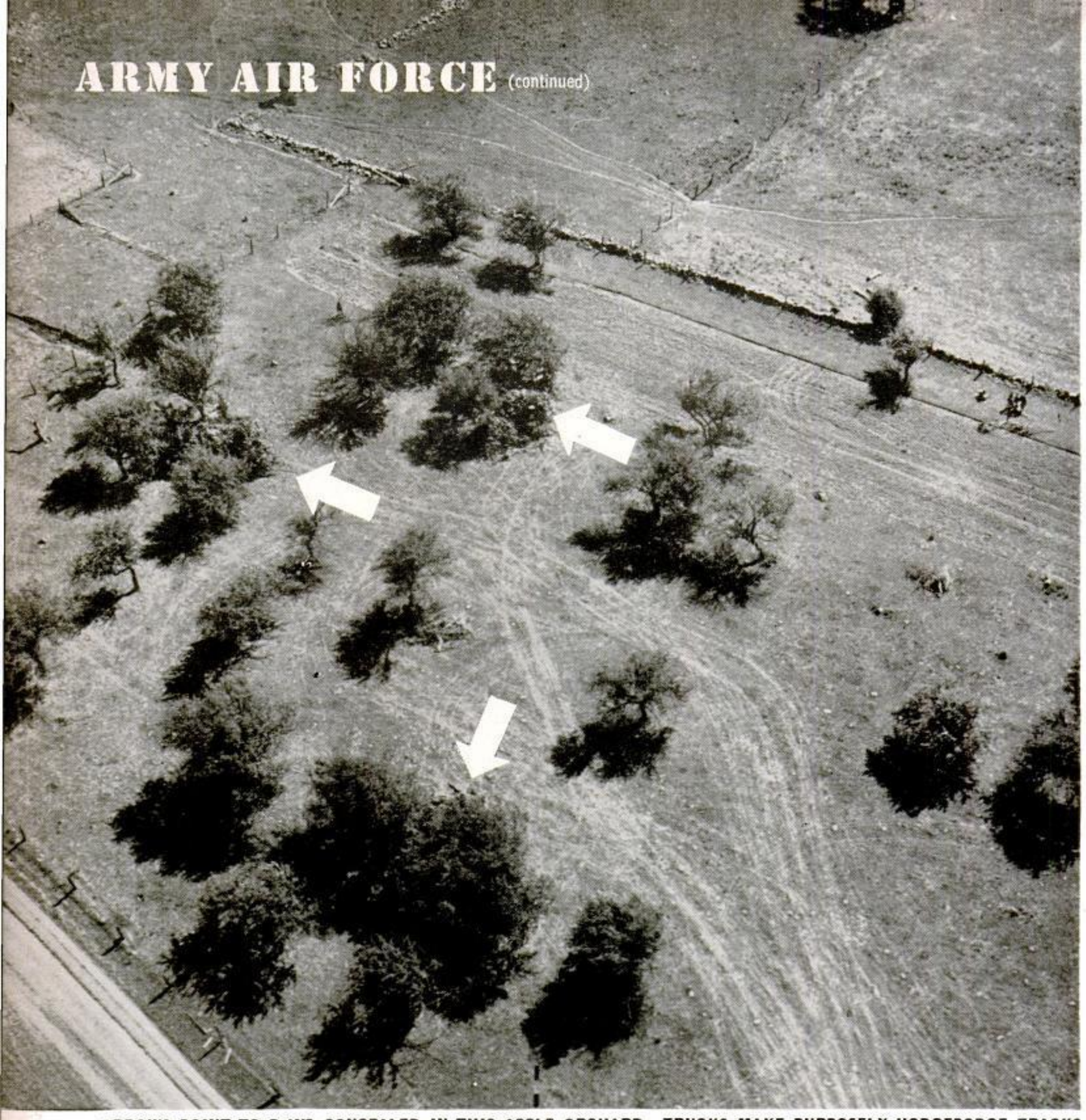
Soon after Dec. 1, a bill for the establishment of a separate air force will have hearings before the Senate Military Affairs Committee. The Army Air Force is dead set against any such bill. They say that no matter how much they may have favored a separate air force in the past, now is the worst possible time to realize it. In expanding to a million men, they already have as much work as they can handle. To set up a completely independent service would require so much extra work that expansion might be hindered.

Fortunately for the U. S., the thinking of the Air Force is limited only by the limits of the air itself. It operates over land or far out at sea. In the last few months Army planes have performed brilliantly as ground support for troops on maneuvers. Over the Atlantic, the Pacific and the Caribbean, they have joined with the Navy in doing sea patrol.

From the present war they have also learned new techniques. One of them is shown in the picture above. In wartime, instead of operating out of regular air fields, U. S. planes, like the one above, will use hidden, carefully camouflaged emergency airports.

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ARROWS POINT TO P-40'S CONCEALED IN THIS APPLE ORCHARD. TRUCKS MAKE PURPOSELY HODGEPODGE TRACKS



AT THEIR READY ROOM IN A NEARBY STRAW-FILLED BARN,

THE PURSUITS FLY FROM ANY LEVEL MEADOW

In wartime many a U. S. farmer may suddenly find a squadron of pursuit planes alighting in his meadow. Like birds, planes are most vulnerable when they are still on the ground. If stationed at a regular airport, whose administration buildings and straight runways make it easily distinguishable from the air, they may be bombed and destroyed before ever taking off. Dispersed in small groups to level fields, however, and well concealed by leaves and branches, they are almost impossible to find from the air.

In their practice flights, U. S. fighter squadrons today do not stick to regular bases. These pictures show planes of the First Interceptor Command, attached to Major General Herbert A. Dargue's First Air Force, operating out of dispersion fields. On the preceding page, you saw how the planes were concealed in the trees. Here you see what they look like from the air and what happens when hedgehopping enemy bombers, in spite of all precautions, spot their field and drop demolition bombs on it.



After a bombing, 21st Aviation Engineers rush out with earth compressors and sandbags to fill up craters left by bombs. After enemy has spotted this field, pursuits will move on to another.



Completely repaired, field is now ready for more take-offs. Without such repair crews, squadrons of planes might be grounded by such bomb craters, which can make an airfield useless.

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PILOTS PLAY CARDS WHILE WAITING ORDERS TO TAKE OFF

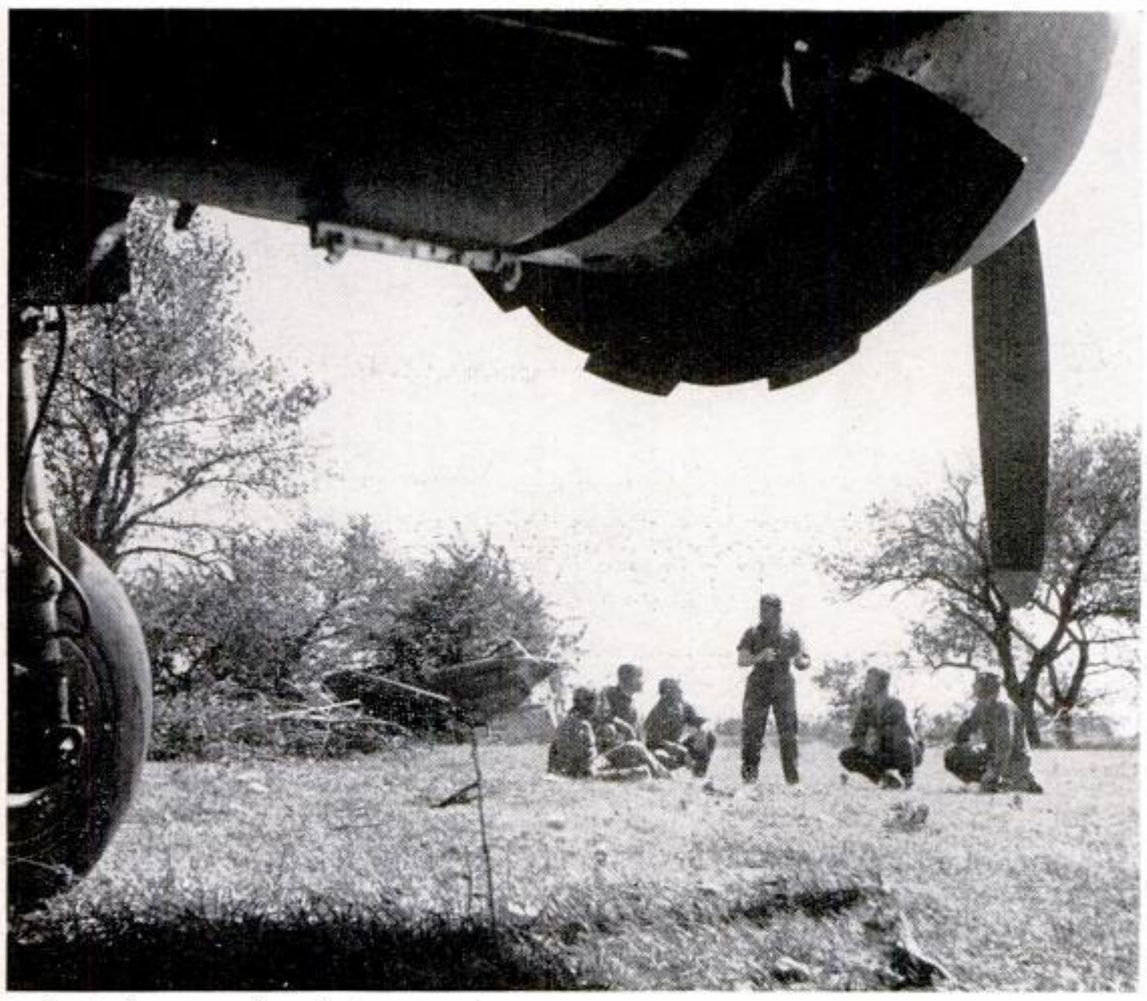


A HEDGEHOPPING ENEMY BOMBER COMES OVER VERY LOW, JUST MISSES A P-40 ACCIDENTALLY LEFT ON THE FIELD

By 1943, the Army Air Force will have 35,000 planes of all types. Not more than 10,000 of these will be trainers. Probably 10,000 will be bombers, and another 10,000 will certainly be pursuits. For years the U. S. has had the reputation for building the best bombers in the world. They have been able to fly farther and higher than any other planes built anywhere. This has not been true of pursuits built in the U. S. Our Curtiss P-40's, as built last year and sent abroad, had not the firepower, the speed or the altitude of the English Spitfire or the German Messerschmitt.

All this is changing. American pursuits are coming to rank beside American bombers in quality. This year's P-40F is an excellent general purpose interceptor with a speed of close to 400 m. p. h. The Bell P-39 is built from revolutionary design and carries very heavy firepower.

There are two other U. S. pursuit ships from which much is expected. One is the Lockheed two-engined P-38, called the "Lightning," whose speed of considerably more than 400 m. p. h. makes it the fastest military plane in the world. It is armed with 37-mm. cannon and several machine guns. The other plane is the new heavily armed Republic P-47, powered with a 2,000-h. p. Pratt & Whitney radial engine which is designed to take the place of the Republic P-43 (*far right*) as a high-altitude fighter. It, too, easily makes more than 400 m.p.h. in level flight and has actually done 680 m.p.h. in a steep power dive.



In front of uncamouflaged plane, pilots discuss tactics while waiting for orders. Their orders come from the First Interceptor Command, after civilian watchers have spotted enemy planes.



Out onto a dirt road crew pushes a P-43. From dispersion fields like this, pursuit planes hidden far from the fields taxi along dirt roads, through deep grass, in order to reach the take-off area.

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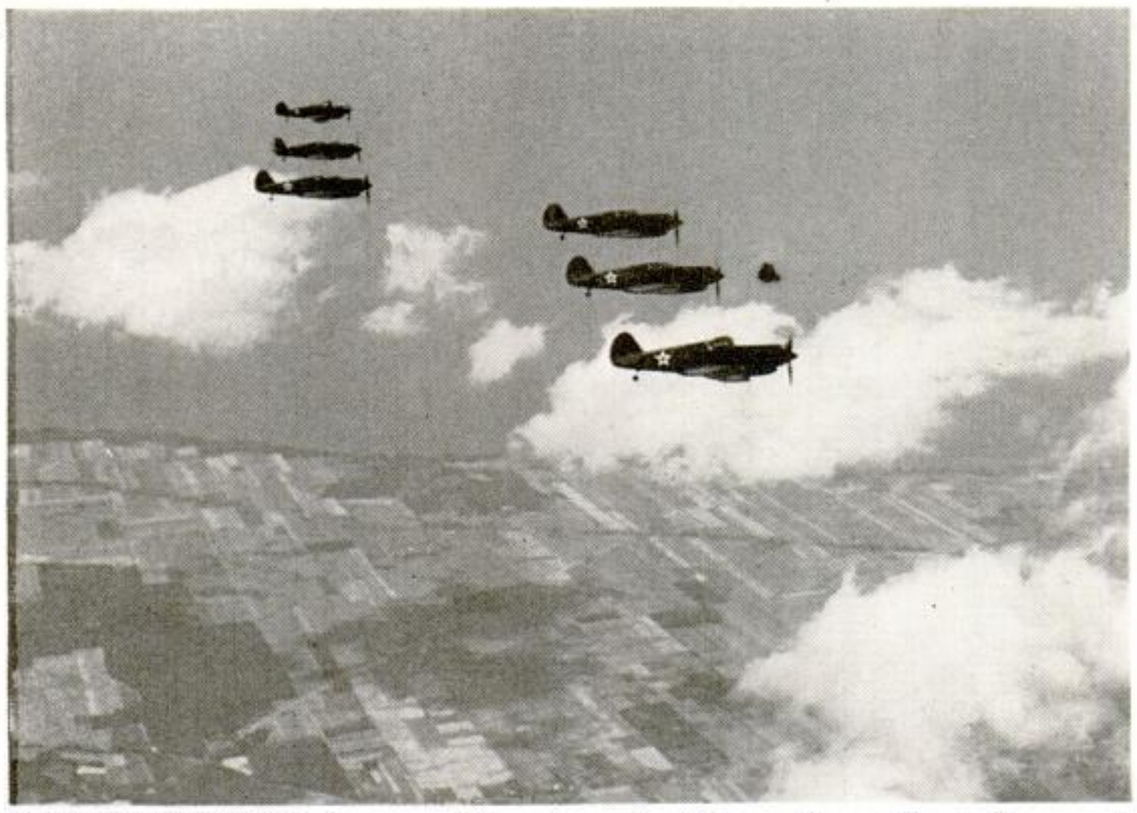
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IN NEW TACTICS PURSUITS FIGHT IN FORMATION

The pictures below show how modern pursuits fight. Gone is the glamorous dogfight of one "ace" against another "ace," common in World War I. In its place has come a more effective teamwork in which planes fight together and the most important rule is "never get separated from your formation."

Today great battles between fleets of pursuits are unproductive of results. Much more effective is an attack by pursuits upon squadrons of bombers. Whatever the engagement, however, pursuits prefer not to attack unless they are overwhelmingly superior.

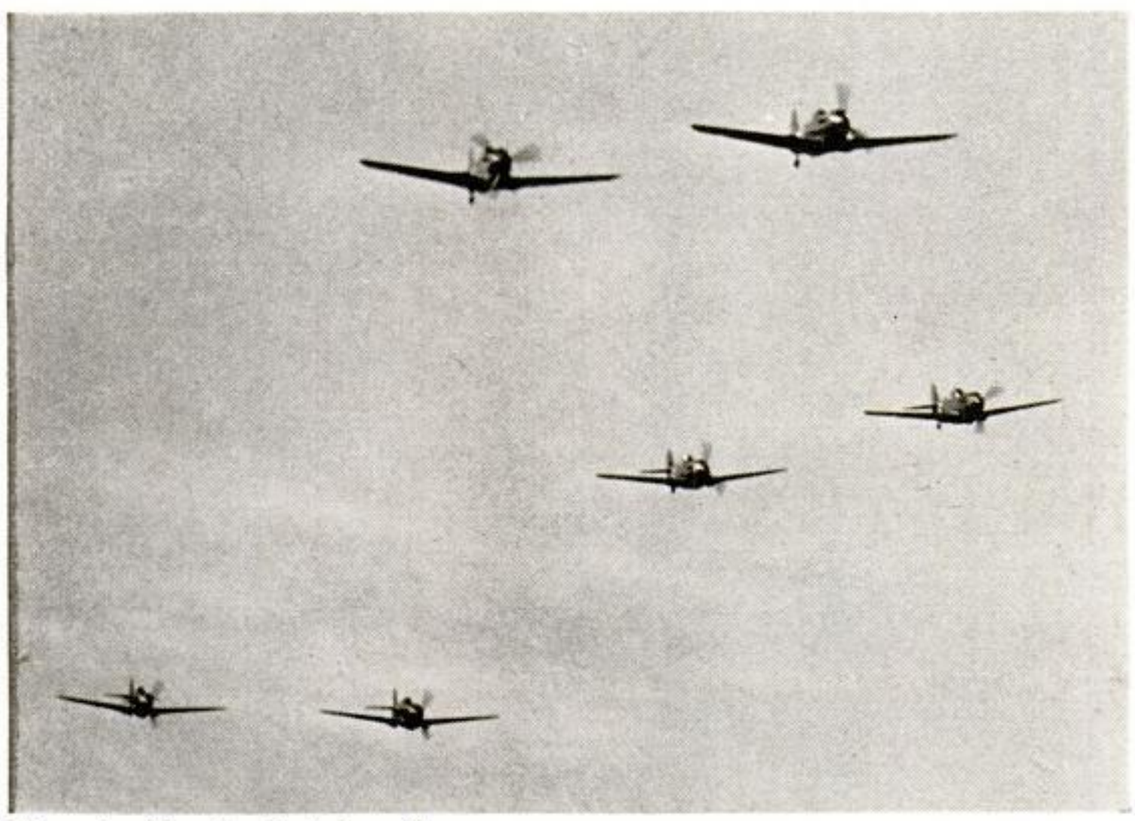
When pursuits do attack, they attack in formation and try to drop down from above. As they dive, they try to hide in clouds or get the bright sun directly at their backs. In this way, they can often hit a bomber without even being seen. Also, if they dive in formation they are comparatively safe except for the last plane, which is open to attack from the rear.



Staggered-line formation, in groups of three, is employed for practice and for strafing ground troops. In modern fighting, a single pursuit plane off by itself will almost surely be shot down.



In stepped-down string formation, planes assume this position. From it they attack either in a complete string or break up into groups of two or three planes, then make their attack.



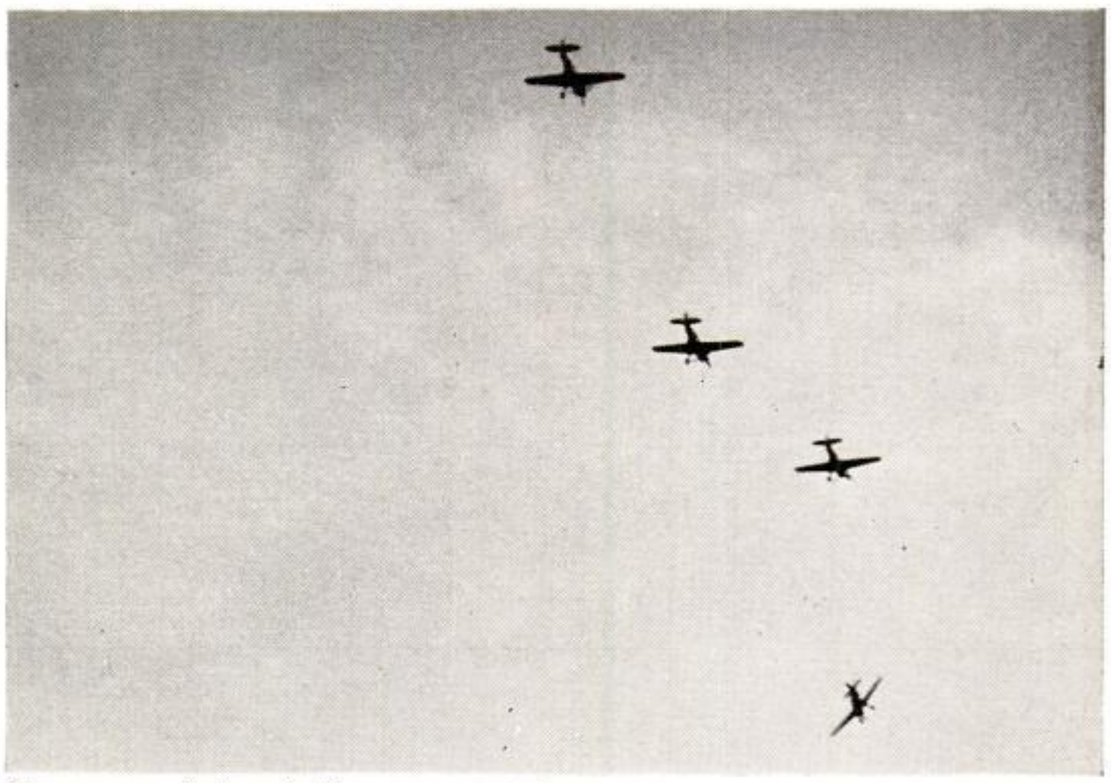
Elements of two in attack formation are used for actual fighting. Element after element attacks in rapid succession, the front plane firing and the rear plane merely acting as protection.



After the attack, planes reform in strings. The lower flight is climbing to rejoin the upper flight. The pursuits try to capitalize on bombers' "blind spots," where they have no guns.



Elements of three in attack formation are another popular method for joining battle. The first two planes generally do the firing, while the plane in the rear acts to protect both of them.



Planes swoop in for a landing, with wheels lowered, forming a landing circle. Pursuits are P-40's from the 35th Pursuit Squadron, Seventh Wing, stationed at Mitchel Field, N. Y.

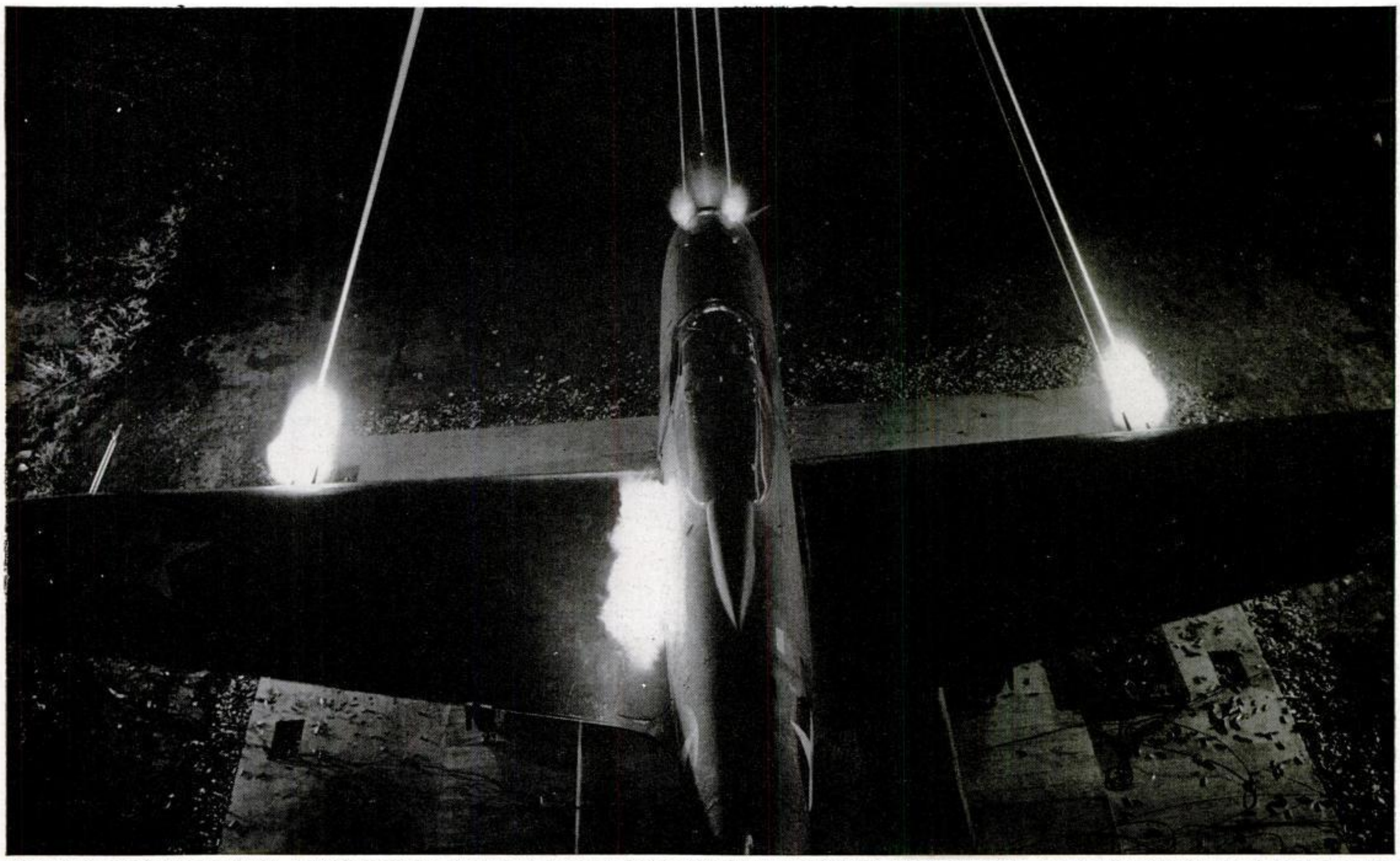
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FIREPOWER OF NEW PURSUITS INCREASES 600%

Before 1936, U. S. pursuit planes mounted one or two small .30-cal. machine guns. Since then they have increased their firepower about 600%. The Bell P-39, for instance, shown here firing tracer bullets, now carries one 37-mm. cannon in addition to six machine guns.

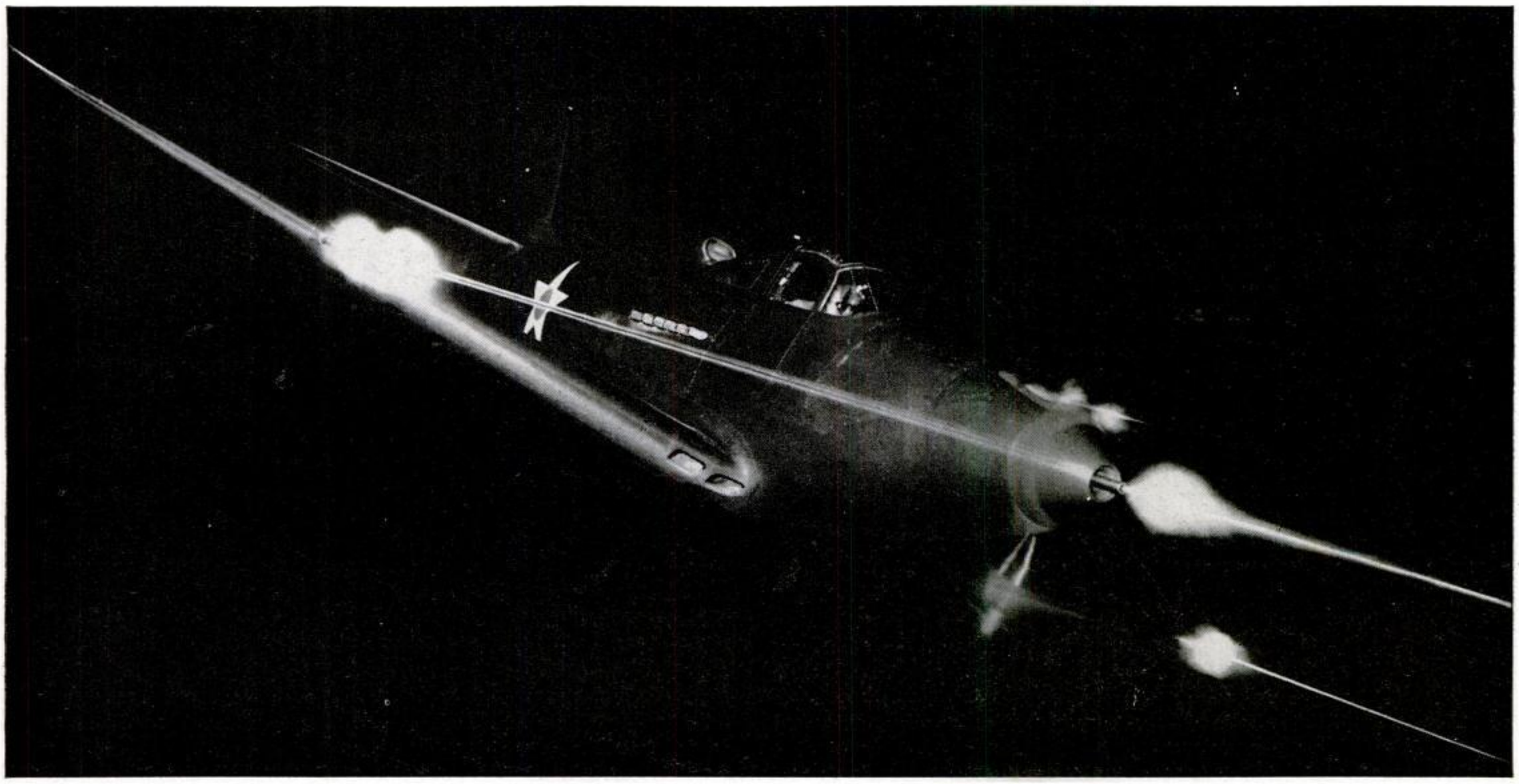
The projectile of .50-cal. machine gun alone weighs five times more than that of the .30-cal., while the projectile of the 37-mm. cannon weighs 60 times more.

The guns on a pursuit ship are aimed by aiming the plane itself. Pilots feel that this gives them a decisive advantage over the gunners on an approaching bomber, who must aim a flexible gun. Generally pursuit pilots like to get within 200 yd. of their target before opening fire with a cannon, within 100 yd. before using a machine gun. In any case, they must get their victim quickly because they do not have enough ammunition to fire for more than approximately a minute.



SIX MACHINE GUNS AND ONE 37-MM. CANNON, MOUNTED ON THIS BELL P-39, FIRE STREAMS OF TRACER BULLETS INTO THE NIGHT. THE CANNON IS THE GUN ON NOSE OF PLANE

THIS PICTURE WAS MADE BY BELL TO SHOW HOW P-39 FIRES WHEN IN THE AIR. PICTURE WAS ACTUALLY TAKEN ON GROUND, THEN TIPPED TO GIVE THE ILLUSION OF FLIGHT



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AT DAWN ON THE MUDDY LAKE CHARLES, LA. AIRPORT, AN ATTACK BOMBER GETS READY FOR THE DAY'S MANEUVERS AGAINST "ENEMY" PERSONNEL, TANKS AND SUPPLY COLUMNS

EVEN THE BOMBERS OPERATE OUT OF DISPERSION FIELDS

"The Army and the Air Force must learn to get down in the mud and wallow together," said General Dargue after the Louisiana maneuvers. He was speaking not only of pursuit planes which operate out of small fields, but also of the bombers which in modern war operate close to the front lines, sometimes out of airfields as rough as the one shown above.

There are three types of U. S. bombers—light, medium and heavy. The light bombers, such as the A-20A's shown on this page, and the new A-24 dive bombers, work with ground troops as air support. It is their job to attack enemy supply and troop columns.

Neither the medium nor the heavy bombers, except in an emergency, work directly with the ground forces. It is their job to conduct independent missions against airfields, manufacturing plants and communication systems. The medium bomber, like the North American B-25 or Martin B-26, is used for short-range bombardment, while the Boeing B-17's (*shown opposite*) and Consolidated B-24's, high-flying heavy bombers, are used for long-range work where huge, destructive 1,100- and 2,000-lb. bombs are needed.

AT NOONTIME A-20A'S ATTACK THE RAILROAD BRIDGE ACROSS THE CONNECTICUT RIVER NEAR WINDSOR LOCKS. THE BLUR IN FOREGROUND IS THE WING OF PHOTOGRAPHER'S PLANE





INTO THE ATLANTIC OCEAN A MIGHTY B-17 DROPS ITS 100-LB. PRACTICE BOMBS. AIR FORCE IS BUILDING SPECIAL ARMORED TARGET SHIPS TO PRACTICE ON

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THESE ENLISTED MEN ARE 10,000 OF THE 20,000 SOLDIER STUDENTS AT THE AIR CORPS TECHNICAL SCHOOL AT CHANUTE FIELD, ILL. IN ADDITION TO CHANUTE, FOUR OTHER AIR CORPS



ROBERT A. LOVETT, ASST. SECRETARY OF WAR FOR AIR

HERE ARE 10,000 MECHANICS

This picture should make anti-American forces everywhere pause thoughtfully. For here in front of the hangars at Chanute Field, Ill. are 10,000 soldiers in training to be air mechanics and technicians. Most of them will never fly a plane, but they will be the backbone of the U. S. Air Force of the future. Because no plane can fly and fight unless it is in perfect mechanical shape, there must be ten of these men on the ground for every one man in the air. By 1943, when the million-man Air Force is complete, the U. S. will have 250,000 mechanics.

To fliers, these mechanics are known as "grease monkeys." Although they are enlisted men in the regular Army, they are also specialists and, when they are through their Chanute course of 22 weeks, as air mechanics they will make $72–$84 a month. The pilots regard them with special affection, because every man who flies knows well that his life depends on how thoroughly the grease monkey does his job.

This picture also is an indication of how fast the Air Force expansion program is progressing. For this speed, one of the men chiefly responsible is Assistant

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SCHOOLS, PLUS CIVILIAN TECHNICAL SCHOOLS, ARE TRAINING 70,000 MEN THIS YEAR. PLANES IN REAR ARE P-36'S, TRAINING PLANES, AND ONE B-25. IN HANGAR ARE OBSOLETE PB-2A'S

Secretary of War for Air, Robert Abercrombie Lovett (*left*), a former Navy flier. Working with Secretary of War Stimson and with General Arnold, Lovett has evolved and supervised the new program.

Under Lovett's program, in addition to getting the autonomy which it has always wanted, the Air Force has been divided into two parts. The first, under command of Lieutenant General Delos C. Emmons, is the *Combat Command*. This does all the fighting. It is in turn subdivided into four *Air Forces* which are the basic air fighting outfits of the U. S. They are complete air armies and although they are assigned to different sections of the country they are prepared to fight at any time anywhere. Under them function *Bombing Commands*, *Air Support Commands* and *Interceptor Commands*.

The other major division of the Air Force is the *Air Corps*, under command of Major General George H. Brett. It does no fighting and is called the "housekeeper" of the Air Forces. In turn, it too is subdivided. Among its commands is the *Matériel Division*, which has the job of designing and producing planes.

Another subdivision of the Air Corps is the *Air Service Command*, which was just established last week. Its job is "to keep every bomber, pursuit ship, observation plane and trainer ready to fly." In addition to this maintenance, it supervises air transport (*pp. 100–101*) and takes care of the cataloguing and distribution of all Air Force supplies everywhere.

The mechanics in training above are at present the responsibility of still another Air Corps subdivision —the *Technical Training Command*. It has nothing to do with the training of aviation cadets, but it is under the jurisdiction of the *Training and Operations Division*, which has the job of supervising all training. The yearly production rate of trained pilots, bombardiers, navigators and gunners is now about 40,000.

The two final subdivisions of the Air Corps are the famous *Ferrying Command* which has been flying Lease-Lend equipment to Britain, and the *Buildings and Grounds Division* which today is building or operating 248 flying fields in continental U. S. alone.

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INTO A C-47 (SIMILAR TO THE AIRLINES' REGULAR DC-3) SOLDIERS AT PATTERSON FIELD, OHIO, LOAD A 1,280-LB. ALLISON ENGINE AND SEVERAL NEW PROPELLERS

AIR CORPS OPERATES COUNTRY'S BIGGEST AIRLINE

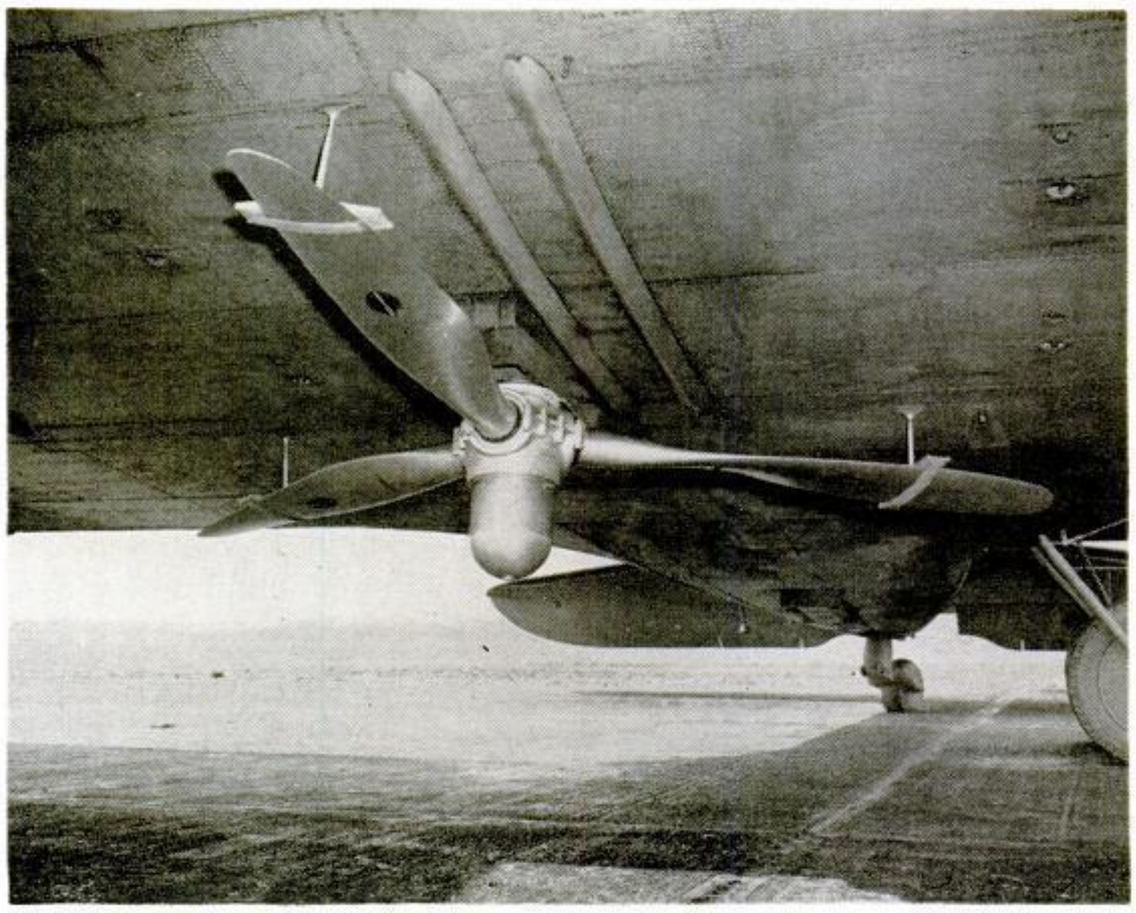
The biggest airline in the U. S. is operated, not by a commercial company, but by the Air Service Command of the Army Air Corps. For this passenger and freight service, the Army is now using more planes than the commercial airlines, which own some 350. In addition the Army has many more on order.

This transport service is used to keep tactical units throughout the world supplied with new parts and ready for action. Regularly giant cargo planes carry wing sections, fuselage parts and engine replacements to bombardment and pursuit groups in every part of the country and even in the Caribbean and Panama. The big engines shown here, for instance, are being flown from Patterson Field, Ohio, to some secret destination. On many of these flights, as on the regular Saturday flight from Patterson Field to Panama, Army officers, technicians and observers are carried.

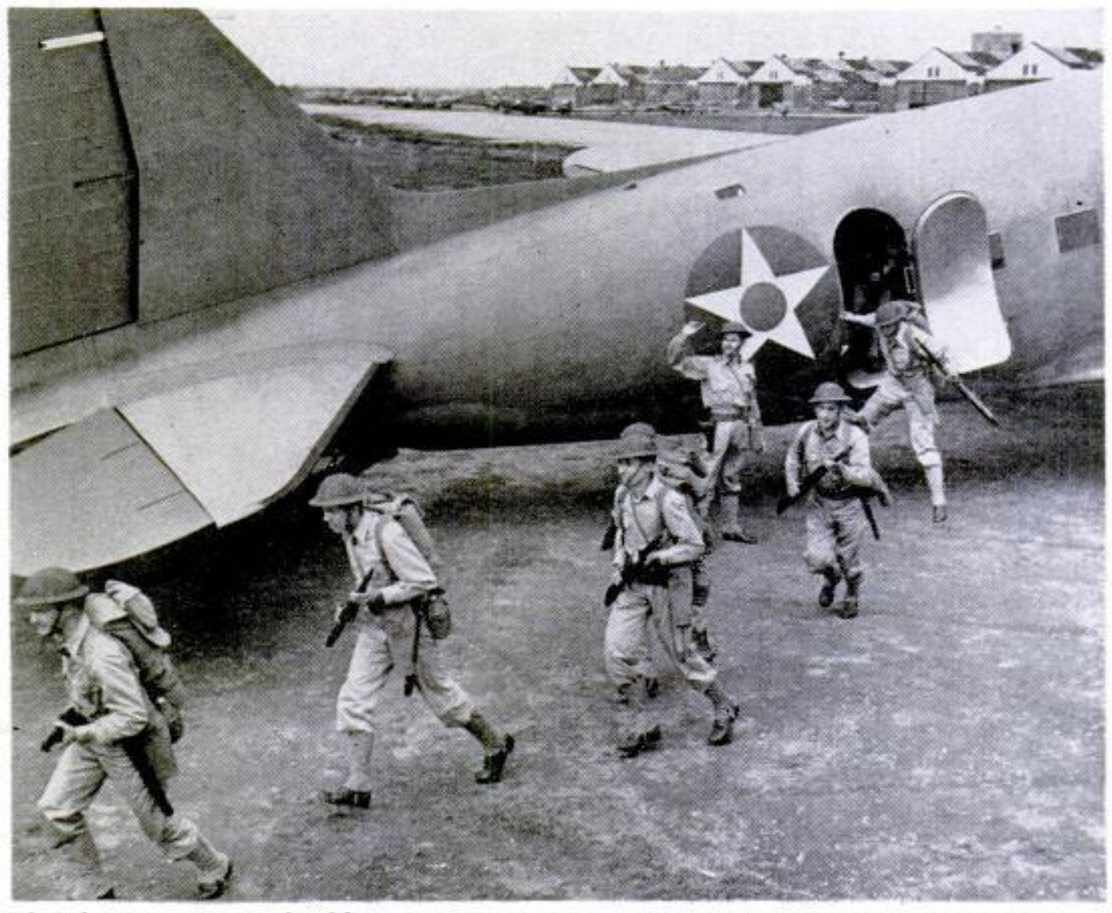
In wartime, these cargo planes will become even more important. In addition to keeping troops at the front well supplied with ammunition and food, they will be used to drop parachutists far behind enemy lines, to transport air infantry, to consolidate positions taken by parachutists, and to carry light artillery to positions where it may be more useful.

In this way, like the more spectacular attack and dive bombers, the cargo ships will become a functional part of the ground forces. Many more of them will have to be ordered. They will make military operations against island outposts easier. They spread to far horizons the offensive and defensive power of the U. S.

Whatever they are eventually used for, however, they will certainly add mobility to the U. S. Army. Already the country has learned that an army on wheels moves faster than an army on foot. In the future, it will learn that an army in the air moves fastest of all.

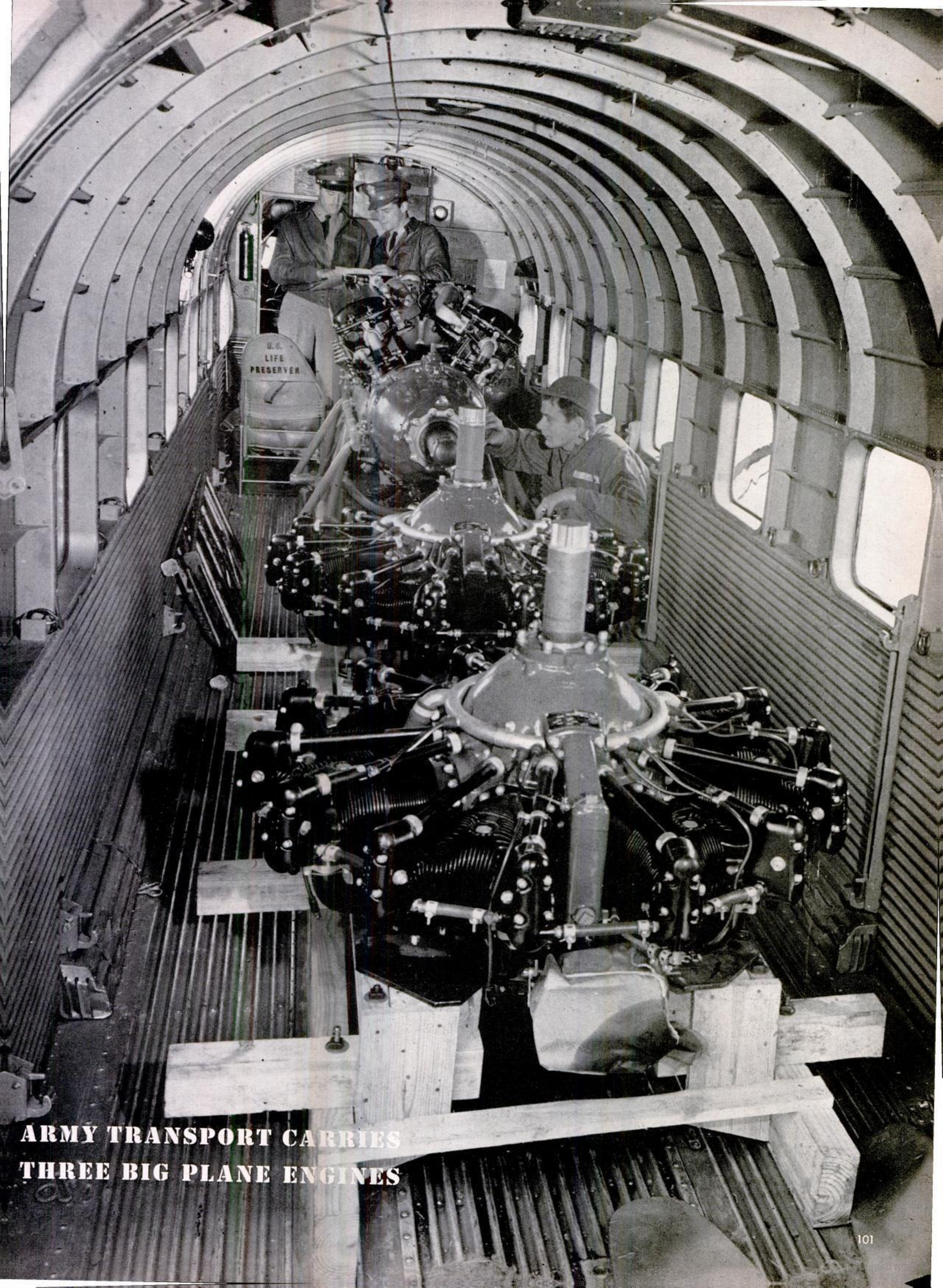


Propeller for an Air Force tactical unit on active service is carried underneath the wings of a C-47. Blades are carefully feathered to avoid changing the flight characteristics of the plane.



Air infantry pour out of cabin of an Army C-52 transport at Mitchel Field, N. Y. Air Support Command, whose mission is ground co-operation, will transport such troops in wartime.

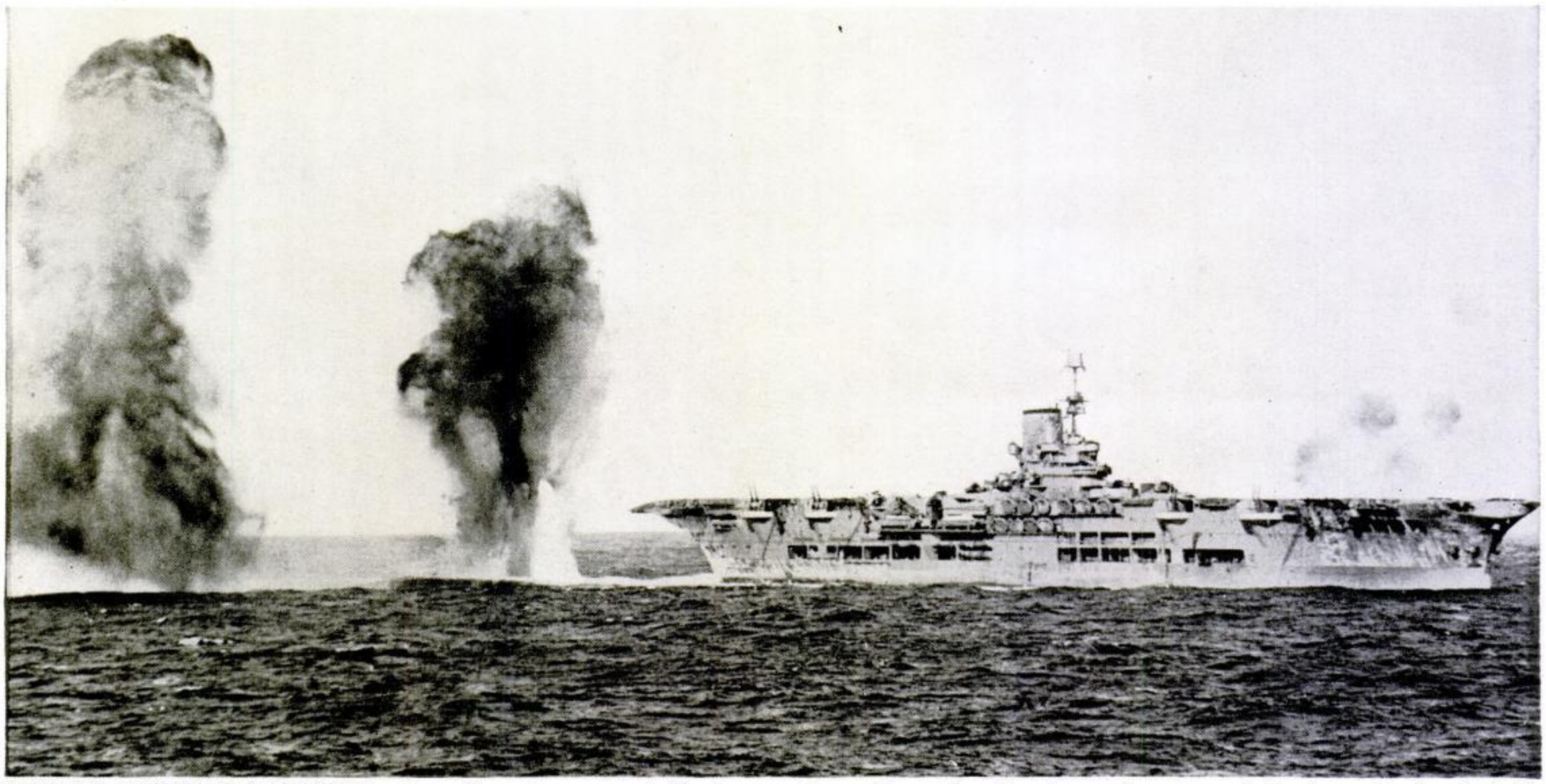
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ARMY TRANSPORT CARRIES THREE BIG PLANE ENGINES



WHAT THE AIRPLANE CAN DO to warships lying at a naval base or operating in narrow seas is shown by this picture taken after the daring British air raid on the carelessly guarded Italian base at Taranto last November. After the planes flew off, three big Italian battleships, two cruisers (*at bottom, above*) and two supply ships lay badly damaged in the harbor.



WHAT THE AIRPLANE HAS NOT DONE is sink any big warship out at sea. Italian planes violently bombed the *Ark Royal* (*above*) in the Mediterranean last July but though bombs splashed dangerously near, they did no damage. It was not an airplane but a submarine that finally sank the famous aircraft carrier whose own planes did not save her from the lurking U-boat.

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AIRPOWER

THE EXPERIENCE GAINED IN THIS WAR SHOWS WHAT IT CAN ACCOMPLISH AND WHAT IT CAN'T

by HANSON W. BALDWIN

Over the U. S. now is winging an air force that grows mightier by the hour. Hovering over it and over the armed services of the Republic are the ghosts of two frantic fliers, the American General Billy Mitchell and the Italian General Giulio Douhet. Preachers both, these flying soldiers cried down the winds that airpower had revolutionized warfare, that the old military era was forever gone. The Army henceforth would be a trudging subsidiary of the air force. The Navy would yield control of the sea to the airplane. Let the air forces shake off the rule of the ground-ridden generals and waterlogged admirals! Give the air forces their independence! Do not deny them their destinies as the military monarchs of the world!

Now, after two years of a war in which the airplane has fought fiercely and has drastically changed military concepts, there are cold facts enough to see whether Mitchell and Douhet were right for the present or for the known future or whether their ghosts can now be laid.

There is, for one, the fact of the *Bismarck*. On May 24 the great German battleship sank the British battle cruiser *Hood* near Iceland. Then she turned to go. At 30 knots, she could outrun anything the British had. But before she got away, torpedo planes from the British aircraft carrier *Victorious* hit the *Bismarck*. Her speed reduced to 22 knots, the *Bismarck* disappeared in the vast wastes of the Western Ocean.

For nearly 32 hours the British Fleet searched frantically but futilely. The *Bismarck* was escaping. On May 26 a Consolidated Catalina, long-range American-built patrol plane, sighted the *Bismarck* some 500 miles west of Land's End. Contact was re-established, never again to be lost.

But the British Fleet was running out of fuel from the long hours of high-speed search.

Again the plane. Torpedo bombers from the *Ark Royal* made two attacks. One or two hits were scored. She turned in circles and then limped along at eight to ten knots. It was time. *King George V*'s and *Rodney*'s fuel tanks were almost empty; if the speed had not been reduced, many of the searching ships would have had to break off the hunt.

Up until the time the torpedo bombers scored the two hits, the *Bismarck* had an excellent, if not certain, chance of reaching port safely.

The *coup de grâce* came the next morning beneath the guns and torpedoes of the surface fleet. But it was naval aircraft of the flying fleet that made the signal "Enemy Sunk" certain.

The epic tragedy of Crete was another victory for airpower, a victory over the narrow seas and over the wild mountains and over the beaches, a victory over ships and foot troops. A dozen merchant ships were bombed to shattered hulks in Suda Bay alone. The British Fleet took its most terrific beating: three cruisers, one anti-aircraft cruiser and destroyer were sunk outright; two battleships, one of them the *Warspite*, were damaged, a carrier damaged; other cruisers and destroyers were damaged. The Germans fought off the British Fleet with airpower. Parachute troops and air-borne infantry overwhelmed the British and Greek garrison. The Germans used an estimated 300 long-range bombers, some 200 dive bombers, about 50 twin-engined fighters, nearly 300 single-engined fighters, more than 600 troop carriers and about 100 gliders. The British had, after the first days, no land-based planes in Crete, and the Fleet's airpower was limited to the handful of fighters, perhaps 24 planes, that could be flown from the carrier *Formidable*'s decks. Airpower captured Crete.

Instances of the influence of airpower upon war could be multiplied. The British victory in the Battle of Cape Matapan, the destructive British attack upon the Italian Fleet in the harbor of Taranto, the loss of the British cruiser *Southampton* and severe damage to the *Illustrious*, the successful German invasion of Norway and the repulse of the British counterthrust, the rapid conquest of Holland, the ferrying of German troops to Africa, the speedy British victory over a dangerous Iraqi revolt, the quick march of the panzers across the map of Europe, the shattered rubble and fire-blackened shards of humble homes and monuments of Europe's history—all these things are attributable to airpower.

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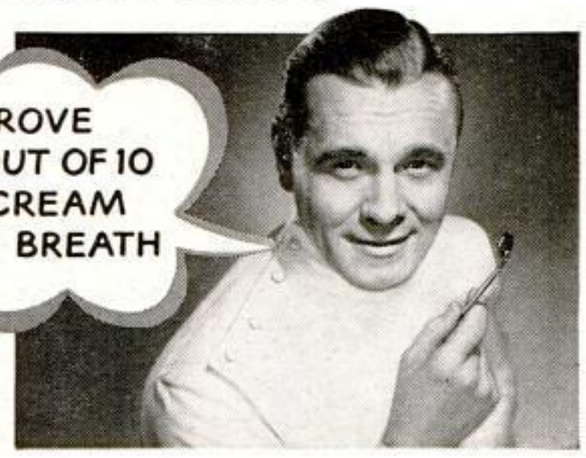
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AIRPOWER (continued)

Airpower has revolutionized not the principle but the technique of war and made every man a soldier. There are no civilians any more. Airpower has sunk probably about one-quarter of the total merchant tonnage sunk by the Axis in this war. Airpower, mobile artillery of the skies, has blasted paths for the tanks, supplied gasoline and food to armies, transported divisions, guns, men, motorcycles, tanks. The meaning of strategic frontiers has been modified, for the plane leaps above the mountains and the rivers and the narrow seas. Though exercising its sovereign dominion in an unstable element—the air—and introducing three-dimensional problems to the two-dimensional strategy of the past, the plane has already shown that with the use of air-borne divisions and parachute troops it can conquer and at least temporarily hold land. Used in sufficient number from favorably situated bases, it can exercise at least tenuous control over narrow seas.

These are accomplishments so major that they merit the term "revolutionary." The plane has revolutionized war.

Yet, once this is said, its meaning must not be misunderstood. For none of the major victories of this war could have been accomplished by airpower *alone*. Even in Crete the air victory had to have its preface in the form of a land invasion of Greece, which provided the bases from which airpower could operate.

The great and graphic lesson of this war is this:

The old terms—seapower, landpower, airpower—have no real and detached meaning. The three are now merged in what might be termed global power, with each service dependent upon the other and with airpower absolutely essential to them all.

It is of supreme importance that this lesson be understood by the American people. The enthusiastic advocates of airpower have made a mistake which has frequently been made in military history. Each new instrument has been extolled as the be-all, do-all and end-all of warfare. Mahan's brilliant exposition of seapower was often misinterpreted. From it grew the wholly erroneous notion that seapower was the principal determinant of history, that seapower alone won wars. The same mistake was made for landpower, whose advocate was the German Clausewitz. Douhet and Billy Mitchell went overboard for airpower. Mitchell's vision was great but his balance was slight. He overdid it.

Even today, when airpower has come of age, it should be apparent that wars cannot be won by any one service alone.

The plane has not replaced the warship

"The plane has sounded the death knell of the ship. Airpower can control the highways of the oceans." This, in effect, is the theory of the air extremists.

It is a theory that was oversimplified by Billy Mitchell, who asserted, "Planes can sink a battleship." Even if true, this statement would not prove the extremist theory. A battleship is simply one naval type, though the strongest. To control the seas planes have to do more than sink battleships. They would have to be capable of meeting the menace of the submarine. They would have to drive the fast destroyer and torpedo boat from the seas, to sink the carrier and the cruiser. In other words, the fighting plane would have to replace the fighting ship before it could exercise sovereign sway over water.

There is no evidence in past or present experience to warrant the belief that the fighting plane—now or in the foreseeable future—can usurp the functions of the fighting ship.

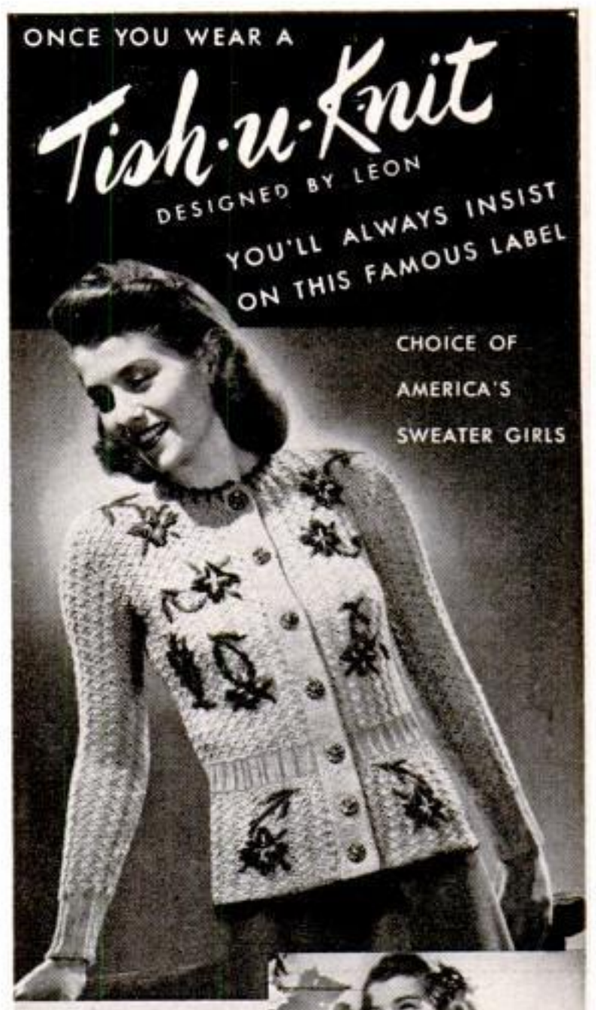
So far *no modern battleship* ever has been sunk by air attack and no battleship, new or old, ever has been sunk by air attack during war (one battleship of the Italian *Conte di Cavour* class was badly damaged and subsequently beached as a result of the British torpedo-plane attack at Taranto).

In 1940, the British battleship *Rodney* was struck by a 1,000-lb. bomb. The bomb penetrated the shelter deck but broke up on the armor deck and the explosion temporarily damaged a 6-in. turret. At no time was the ship out of action. In 1940 another battleship, *Resolution*, was struck by a 250-lb. bomb, several misses dropped nearby. There was only minor structural damage with no effect upon fighting efficiency. Repairs subsequently required two weeks.

Both mines and torpedoes have done more damage to capital ships than bombs. Bomb damages have required two days to two months for repairs but 1,500 lb. of TNT in a magnetic mine put a British battleship in dock for seven months. A torpedo which struck a battleship in December 1939 reduced her speed considerably, put two turrets out of action and sent her into port for six months.

On lighter warships, bombs have been more effective. The carrier *Illustrious*, struck directly by several heavy bombs in the famous

CONTINUED ON PAGE 106



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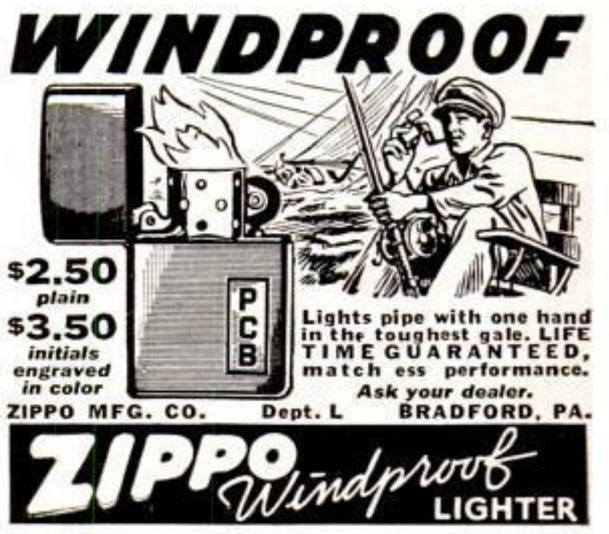
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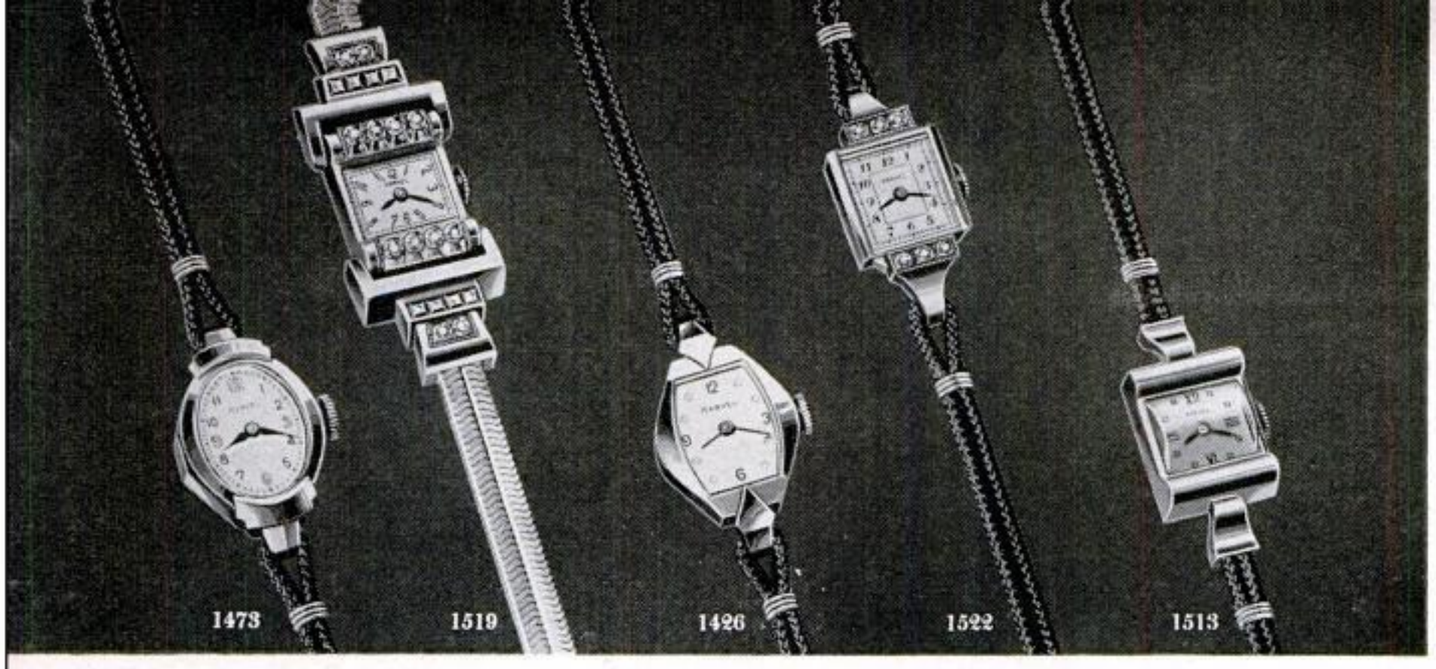
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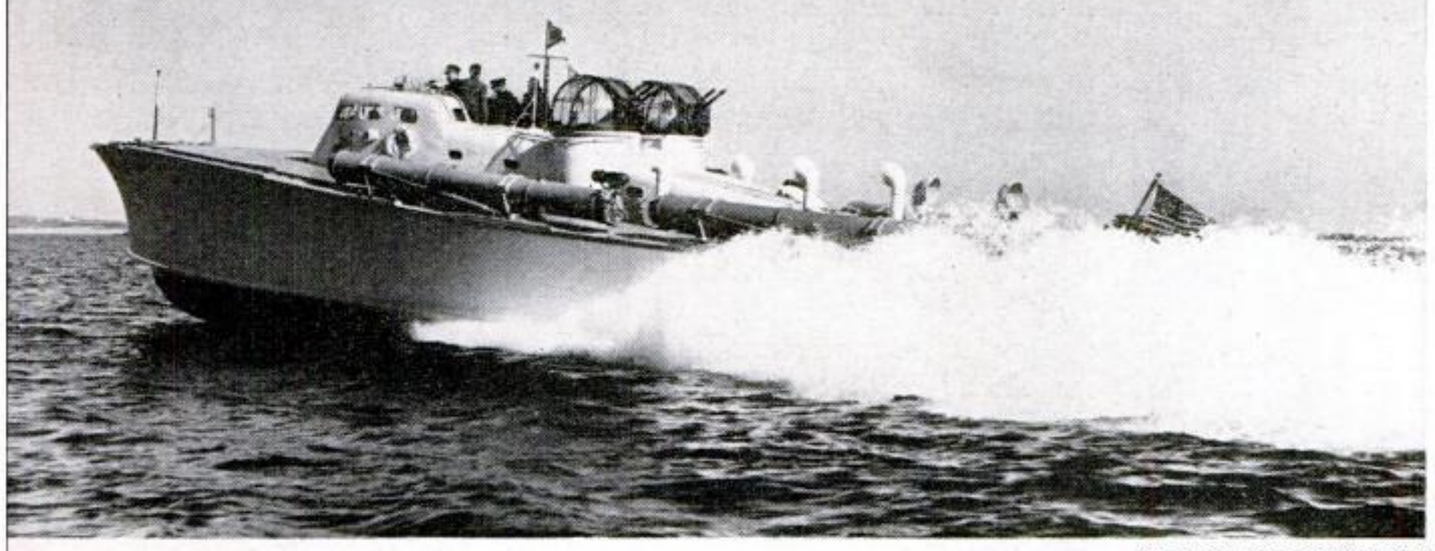


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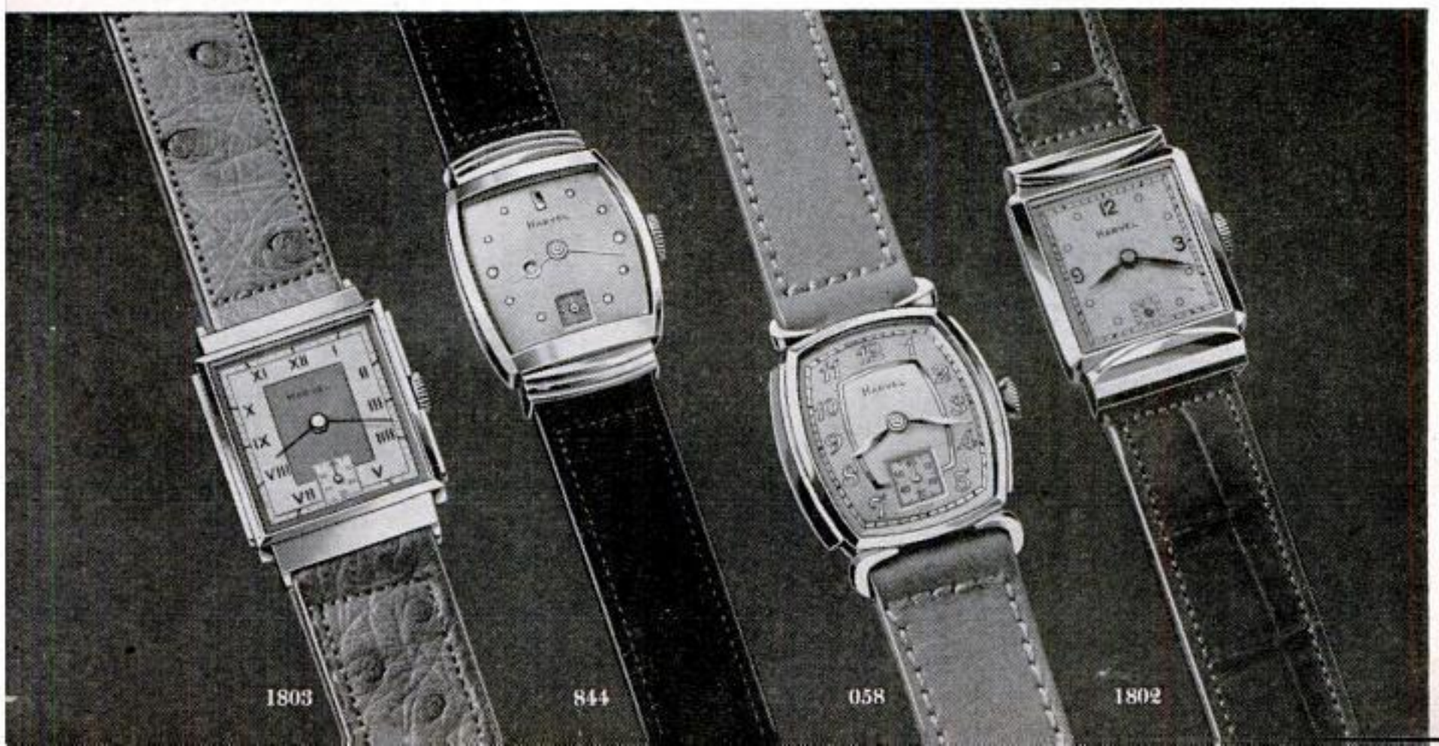


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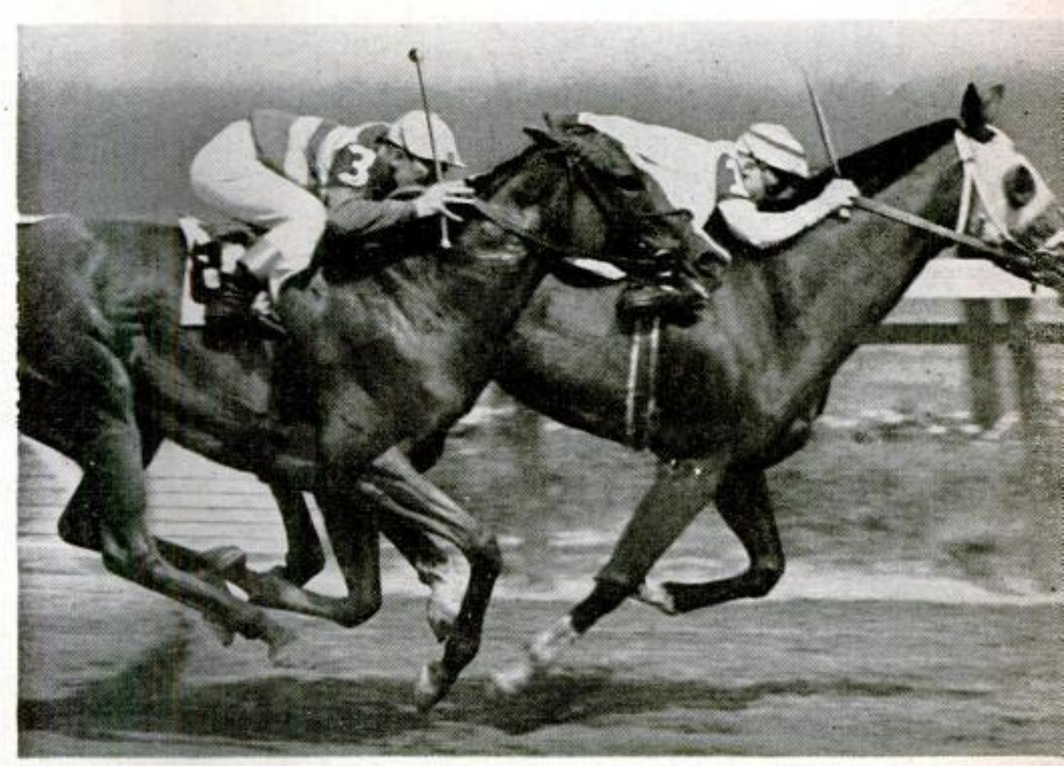
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General Billy Mitchell was broken by the Army for publicly criticizing its air policy.



General Giulio Douhet got close attention in Italy when he preached total air war.

AIRPOWER (continued)

incident in the Mediterranean, was severely damaged. She still reached Malta and subsequently, despite other bombings, got to Alexandria and eventually to this country for overhaul. The cruiser *Norfolk* was hit in 1940 by a 500-lb. bomb which passed through several decks and burst in inflammable stores. There was severe structural damage and a hole in her outer bottom. Fighting efficiency was "severely impaired" and two turrets and steering gear were put out of action. The cruiser *Suffolk* was furiously and repeatedly attacked off Norway, sustained one 1,100-lb. direct hit and three 500-lb. near misses. Her steering gear was put out of action, her speed was materially reduced, a small hole was smashed in her side and two out of four turrets were put out of action. She was subsequently beached at Scapa Flow and was in dockyard hands for eight months.

Numerous destroyers, submarines and small craft have been sunk by bombs and other forms of air attack in this war; yet not all that have been hit have been sunk. One destroyer took a 110-lb. bomb in the engine room, yet was back in action in four months.

Here follows an approximate box score of the British naval vessels sunk or damaged by bombs, torpedoes, mines and gunfire from the beginning of the war until the end of the Crete campaign:

British	*Bombs*		*Torpedoes*		*Mines*		*Gunfire*	
Naval Vessels	*Hit*	*Sunk*	*Hit*	*Sunk*	*Hit*	*Sunk*	*Hit*	*Sunk*
Battleships	4	0	4	1	1	0	1	0
Battle cruisers	—	—	—	—	—	—	2	1
Cruisers	20–25	5	8–11	2	2?	0	6–8	0
Carriers	2	0	1	1	—	—	1	1
Destroyers	30–35	10	8–12	6	18	8	10	4
Merchant cruisers	2	0	13	11	—	—	4–6	2
Monitors	1	0	—	—	—	—	—	—
Escort ships	11	1–2?	2–4	3?	5–6	—	—	—
Mine sweepers	15–20	8–10	—	—	6	4	—	—
Trawlers	40–50	40–45	—	—	35–45	35–45	—	—

From September 1939 to July 1, 1941, 378 merchants ships totaling 1,234,916 tons were known to have been sunk by air attack out of a grand toll of some 7,114,950 tons of British, Allied and neutral merchant shipping destroyed to that date.

The number of planes and pilots lost by the Germans in exacting these tolls is not known. Against a fleet well prepared to defend itself, air losses are heavy. Off Crete, despite its lack of supporting airpower, the British Fleet probably destroyed between 18 and 36 planes. The Admiralty has estimated that up to last August, 537 German planes had been shot down by naval anti-aircraft guns and naval planes, and 581 had been damaged, 203 so badly as to be listed as "probably destroyed."

Warships defend themselves against planes

Not only in the toll of ships sunk but in the equally important toll of ships damaged, planes represent one of the most serious threats the surface ship must meet. But naval design already has greatly modified its past concepts in answer to the greatest threat it has ever faced. The armored ship is not disposed of easily by airpower, even when attacked as furiously as was the *Suffolk*. A 1,000-lb. bomb dropped from 10,000 ft. may penetrate 7 in. of deck armor, but many battleships have more horizontal armor than that. Fighting ships now bristle with anti-aircraft guns of all calibers which can

CONTINUED ON PAGE 109

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Two plates, two cups, two forks and knives and spoons will still make a marriage when hearts are loving, young and eager. Indeed, some of the happiest marriages in the world have been begun upon material fare as scanty. Yet there is one possession which, missing at the beginning, can never be made up in later life, tho' the gay crockery of the honeymoon be changed to Haviland china, the maple cottage set to period mahogany. The engagement diamond is the first, most treasured gift of love itself. No later jewel can take its place within a woman's heart or on her finger. The young husband-to-be makes this investment only once—forever. Let the young couple beginning life together economize on other things, if necessary, then, to secure this very Christmastide a diamond of worthy size and glorious quality. Only a trusted jeweler should be consulted for this lifetime-thrilling gift. De Beers Consolidated Mines, Ltd., and Associated Companies.

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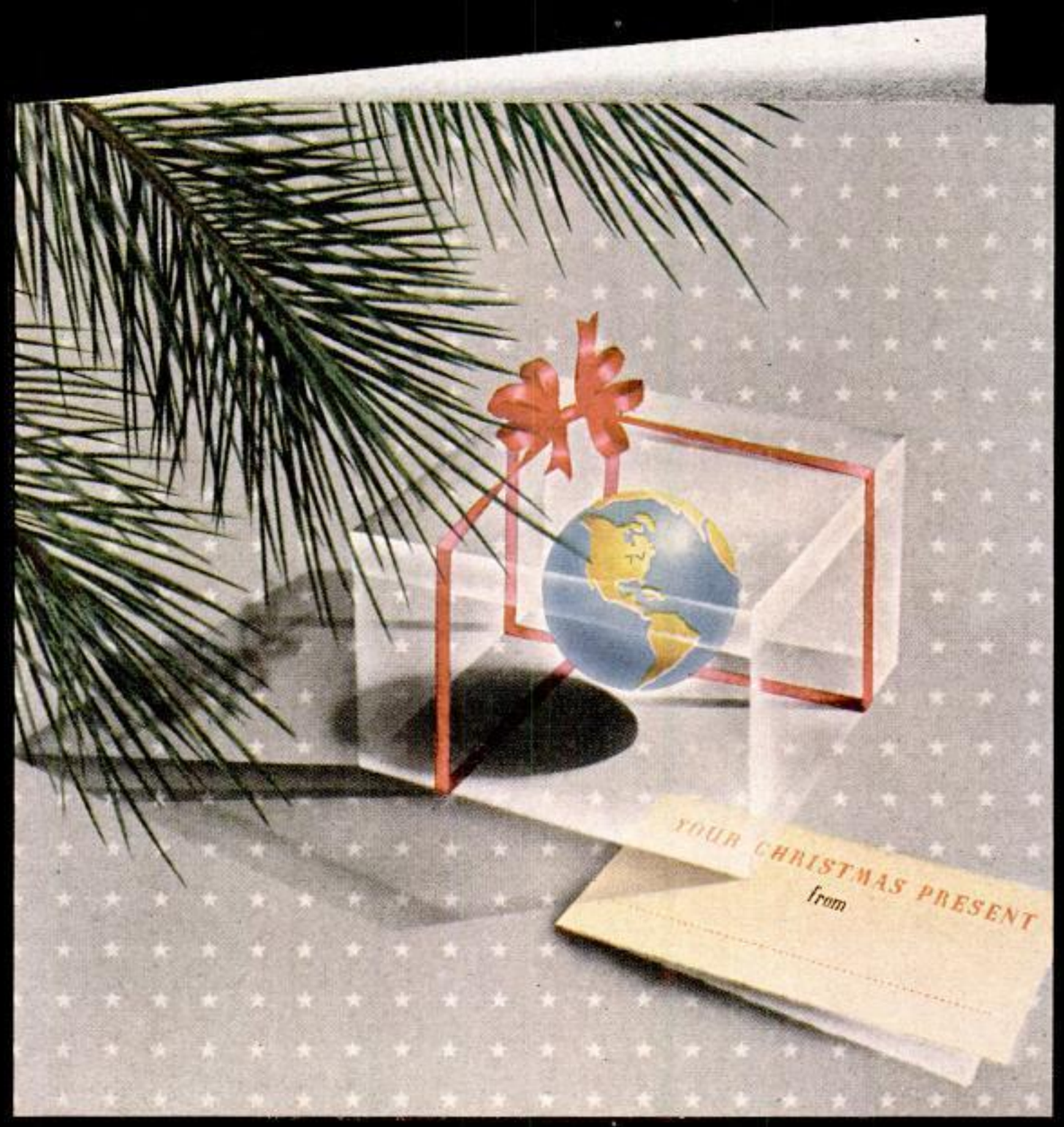
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LIFE is a big gift and a grand gift, but *not* a costly present to give this Christmas. For you may still give LIFE at the special pre-Christmas rate of only

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make the task of the surface man-of-war immensely difficult. Even more dangerous than bombers are mine-laying planes and torpedo planes. The Achilles' heel of the armored ship is still its underwater hull. It is impractical to girdle a ship with an armor belt entirely around its keel. Interior honeycomb compartments, which take up the shock of an underwater explosion and localize the damage, are the best substitute for more armor. Their effectiveness was shown by the *Bismarck*, which was struck by at least six and perhaps ten torpedoes, plus scores of heavy-caliber shells before she sank. Nevertheless, underwater damage by mine or torpedo will reduce the speed of any capital ship, may cripple her right away, and sooner or later will send her into dock.

In general the experience of this war has shown quite clearly what any objective observer already knew—that any merchant ship and any fighting ship can be severely damaged or sunk by air attack, just as any merchant ship and any fighting ship can be severely damaged or sunk by surface or subsurface attack.

The problem presented by air attacks upon surface ships is new only in that the attack comes in a new dimension with incredible speed and can be delivered in great force.

But it does not follow that the fighting ship is obsolete. The plane has not made the battleship or the surface ship any more obsolete than the submarine did. We do not scrap navies because torpedoes, mines or shells have sunk ships. But there is no doubt that from now on the fighting ship will play a more limited role than it used to play.

The plane has made ships' bases, which are a very important element of navy power, more vulnerable than they have ever been. The English Channel is no longer a sure barrier for British naval bases. Strategically, Britain is not an island any more. The trident of seapower is passing to the Western world.

Airpower defeated seapower off Crete. Airpower defeated seapower and some landpower in the Norwegian campaign. But in both instances it was airpower operating under the most favorable circumstances—from land bases against ships forced to operate continuously very close to those bases, *and without adequate air support*.

Airpower and seapower need each other

Airpower operating from land bases has a distinct advantage over airpower operating from floating bases. Carrier or catapult planes are slower and less formidable than land planes. It is relatively easy to concentrate greater air strength on land than a fleet can possibly muster. When a fleet is operating in narrow seas, near enemy land air bases, it operates at a disadvantage. It may be that control of such narrow seas can be better exercised by airpower than by seapower. But not by airpower alone.

This is the real meaning of modern seapower. Seapower without airpower is nothing. Airpower without seapower is nothing. Neither side has been able to close completely the English Channel, the North Sea or the Mediterranean to the traffic of the other.

The plane has inherent limitations which prevent its exercising the full deep-sea control which a ship can apply. A plane is restricted, sometimes completely removed from action, by bad weather. It has marked limitations of range. It cannot hover. It cannot land upon the sea without mother-ships nearby to refuel or repair it, or hoist it aboard. It cannot apply, in the blockade, the universal rule of "visit and search." It can only notify a surface vessel that a blockade runner has been sighted.

This war and the armament programs of other nations speak louder than any arguments. Even Germany, world's greatest air power, is building surface and subsurface men-of-war of all types, including battleships. More surface men-of-war than ever before in world history are on the stocks today.

The great and eloquent lesson of this war is that airpower and seapower are now one and indivisible. Together, mutually cooperating and mutually supporting, they must perform the function which neither alone can accomplish—to control the sea.

Some mention but not too much weight must be given to the prediction that airplane cargo carrier will displace to great extent the cargo ship. The sensible analyst realizes that the airplane freighter will supplement but not replace the seagoing freighter.

Planes helped panzers smash through France

The German victory in France was forged primarily by the plane-tank team, but it was the *ground* break-through on the Meuse and the shattering, smashing drive of the panzer divisions, followed up by the hard-marching infantry of the German Army, that led to Dun-

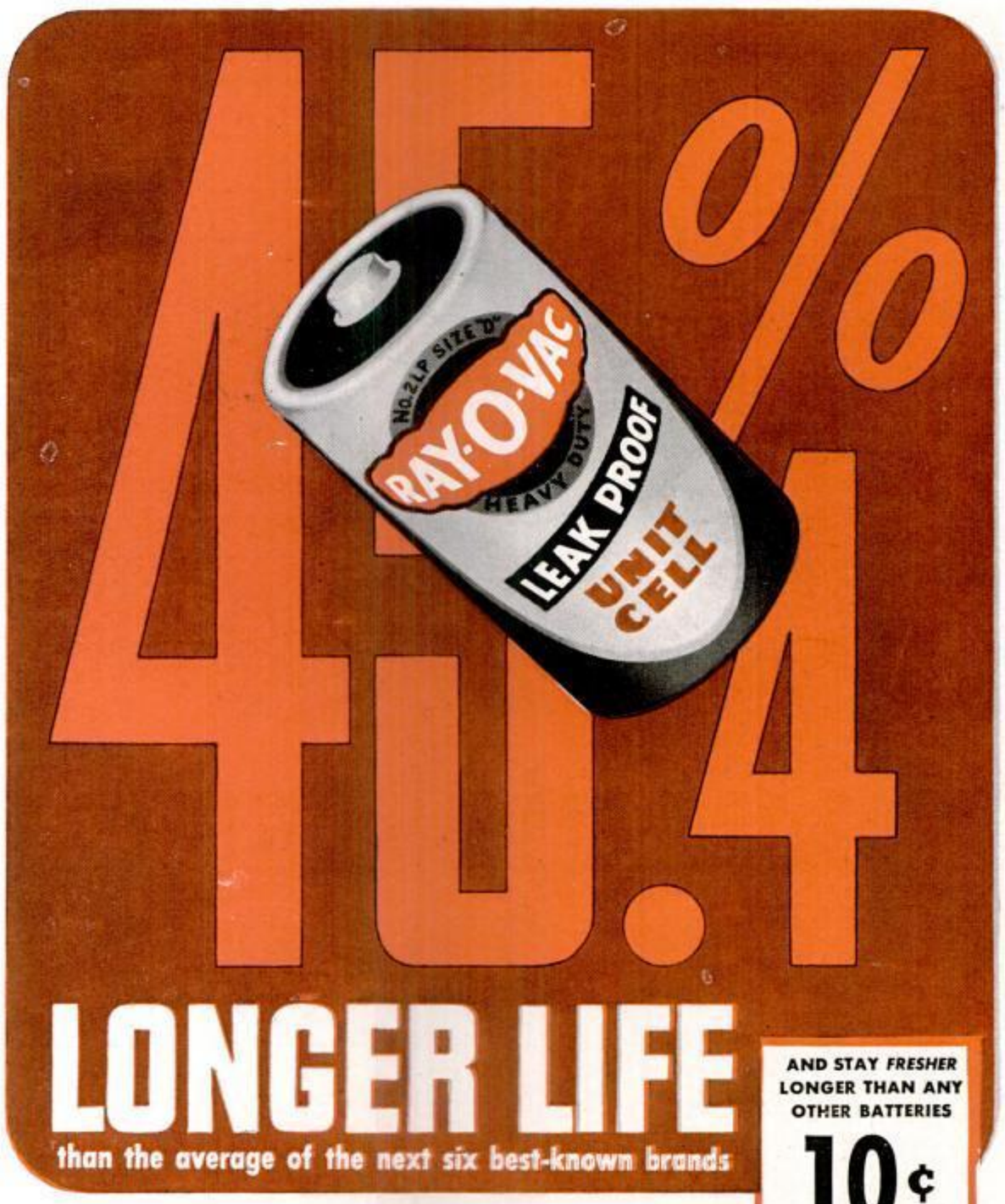
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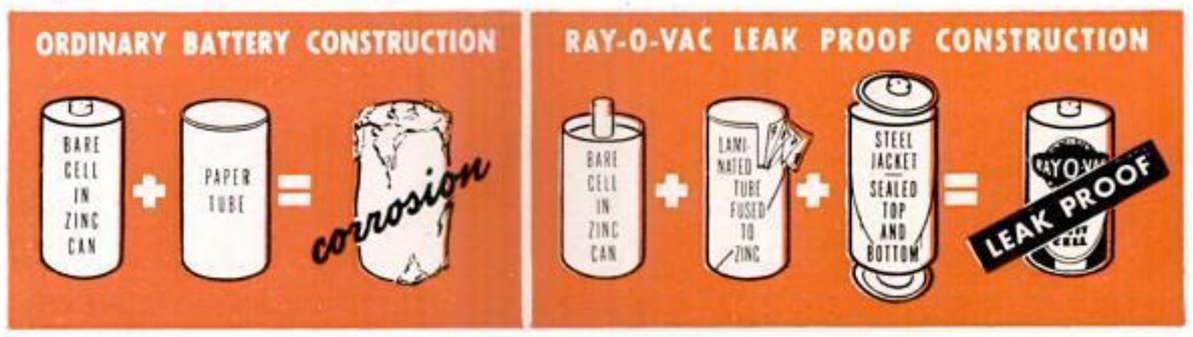
COST NO MORE THAN ORDINARY BATTERIES

Flashlight dim? All but useless? Open it up. The chances are you'll find that the moisture has seeped out of the batteries, corroding the inside of the case. All you have to do is put in marvelous new Ray-O-Vac LEAK PROOF Batteries—steel-armored and science-sealed against seepage. The LEAK PROOF construction also makes Ray-O-Vac LEAK PROOF Batteries last longer and stay fresh longer, saving you time, trouble and money. If your flashlight means safety, protection, convenience to you—go modern, get efficient Ray-O-Vac LEAK PROOFS today.

A NEW FLASHLIGHT FREE IF A LEAK PROOF BATTERY STICKS, PLUGS OR DAMAGES YOUR FLASHLIGHT

GUARANTEED LEAK PROOF
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HAMILTON BEACH

THE *Quality* FOOD MIXER

New hours of leisure with family and friends . . . happy new adventures in preparing delicious meals and special surprises . . . these are the reasons a Hamilton Beach Food Mixer *is the gift she'll enjoy*.

Whenever she uses her Hamilton Beach . . . to blend a favorite salad dressing . . . to mix a feather-light cake . . . to whip up airy popovers . . . to do any of a dozen daily cooking tasks . . . it will save her precious minutes and all the tiring arm work. She'll like the ease with which she can prepare tastier, better foods. Mashed potatoes gain new heights of fluffy daintiness . . . and the family cookie jar can easily be kept filled.

Hamilton Beach, with its many special features, is the food mixer she'll want. Ask your Dealer to show you why it mixes so thoroughly and is so much easier to use. Choice of white or ivory $28.50, with juice extractor. (West, $29.00.) Prices include Federal excise tax. Many practical attachments, to make your Hamilton Beach more useful, are available at small cost.

HAMILTON BEACH COMPANY • RACINE, WISCONSIN
Division of Scovill Manufacturing Co.

FOR TASTIER FOODS . . . EASILY PREPARED



FINGER-TIP BOWL SHIFT Revolving bowl easily shifted for thorough mixing.

EASILY PORTABLE Mixer lifts from the stand . . . nothing to release.

ONE-HAND OPERATION Same hand holds mixer and regulates speeds.

ONE-PIECE BEATERS Easier to attach, detach, and clean. Sturdily built.



Air attack on a convoy was attempted by Italian planes in the Mediterranean. Plane can be seen coming at British ships, which are well defended. Look at opposite page.

AIRPOWER (continued)

kirk and spelled the fate of France. To this victory the plane was indispensable, but it was a victory that was achieved *on the ground*. Lord Gort, commanding the British Expeditionary Force in France, wrote his dispatches:

". . . The offensive has once more gained ascendancy in modern war when undertaken with an army equipped with greatly superior material power in the shape of air forces *and armored fighting vehicles*. . . . The enemy . . . was able . . . to concentrate no less than *ten armored divisions* in the area which he selected . . . the pace of operations has been . . . accelerated by the *partnership* between offensive aircraft and modern mechanized forces. . . ."

The divebomber, acting as mobile artillery to support the thrust of the tanks, the attack plane and light bomber to strafe enemy troop columns, the medium bomber to strike at concentrations, lines of communication, railroad junctions, fuel and ammunition dumps, etc., are the "artillery of the skies." They are essential, but their mission is a *support* mission for the ground forces, and it is as such that the German Luftwaffe has achieved its most impressive victories. Over land the plane is in effect a "flying army" supporting its own ground army and attacking the ground army of the enemy.

Planes alone cannot win a war

Poland, France, Holland, Belgium, Yugoslavia, Greece, Libya, even Norway, and most particularly Russia, were victories of landpower. They were victories which could not have been achieved without the use of airpower, indeed, without air superiority. But in all of them, except possibly in Norway and the Netherlands, landpower was the *primary* instrument of victory. The forces on the ground broke through or outflanked and destroyed the enemy's forces, captured the enemy's land and held it. The plane-tank team made the blitzkrieg possible and provided the answer to the machine gun, which in World War I created four years of stalemate. But it was overwhelming landpower, i. e., its armies, that enabled the Germans to march across the map of Europe.

The Germans failed to conquer Britain by air because German landpower could not be applied directly to British shores. Try to visualize the Red Armies pushed back to the gates of Moscow by the use of the German Luftwaffe alone; 300 divisions, cut up, routed and driven back by planes. The picture is absurd and impossible. Without the German Army, Russian muzhiks would be strolling through the Tiergarten.

Nothing in past experience or present theory supports the belief that airpower can now or in the immediate future replace armies or navies. Most of our realistic airmen make no such claim. But the loud and beguiling voices of the extremists ring through the land. That

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Defense against air attack was successful in this case. Anti-aircraft guns caught the torpedo plane as it came in, broke it into fragments which plunged blazing into the sea.

they are too much heeded is due in large measure to ultraconservative and reactionary officers of the older services (particularly the Army) who until recent years were willing to concede airpower only a minor role in the tragedy of war, and who still in some measure oppose the long-range bombing operations (such as the German assault upon London) known as independent, or strategical, missions.

In such procedure as the air bombardment of Britain and Germany, it is obvious that armies and navies have no operational part, except to guard the bases of airpower and its supply routes. There is no question that bombing raids against large cities, enemy industries and vital centers of resistance have played and are playing an increasingly important role in war. It was the theory of the Italian General Douhet that such raids, by crushing the enemy's will and industrial ability to resist, would alone be decisive.

This theory has received one great test and now, in the laboratory of chaos, it is receiving another. The German air assault upon Britain failed. Psychologically it broke in a surf of blood and tears against the granite of the British spirit and the dauntless efficiency of the outnumbered R.A.F. Industrially it achieved results that were scarcely proportionate to the effort involved; certain bottleneck factories were damaged or destroyed. Yet the industrial productivity of England *increased* during 1940 and today is higher than ever.

The British air assault upon Germany and German-occupied countries, unquestionably is reducing production, hampering transportation, destroying power plants and hurting German morale. But not vitally. Even the air enthusiasts themselves are doubtful that the plane alone can do the trick against Germany. The great majority of observers believe that only a combination of weapons—land, sea, air, industrial, economic, psychological, revolutionary—can defeat Germany if, indeed, she is to be defeated at all. Any blueprint for victory must obviously begin with air superiority over Germany. But that alone will not be enough.

It is, perhaps, possible that some day in the dim, distant future, the theories of Douhet will come to fruition, and that the wars of man will be waged largely in the air. The plane may indeed in future decades make armies and navies in the old sense obsolete and battles between surface forces unnecessary. Victory *may* be won by striking directly at the will of the people to resist. But airpower will rise to meet airpower. Given air stalemate, the war of the future will again descend to the man in the mud on the ground. The time for Douhet's air war is not yet.

Separate air forces have their faults

The Italians have long had a separate air force, and before the war many of our air vocalists used to point enviously at the basketful of air records hung up by Italian planes. Italian airpower, plus Italian seapower, would, we were told, close the central Mediterranean and make it an Italian sea.

CONTINUED ON NEXT PAGE



"Say, sister, are you in the Navy, too?"

"LOOKS like your boss is copying Uncle Sam! The soda fountains on our big battle wagons serve us our fountain drinks in Dixie Cups, too. They're taking no chances on our catching anything from somebody else's glass. Guess your boss has the same idea . . . protecting his customers."

Milk bars and soda fountains in increasing numbers are swinging to individual service in Dixie Cups. It is truly a sign of the times.

Mouth-to-mouth contagion from public drinking vessels can no longer be tolerated. The hazard in their use can be checked only by sanitizing with intense heat or chemicals—and that takes time. Merely dousing in soap and hot water is not enough. Dixie Cups, used but once and then thrown away, are the increasingly popular answer.

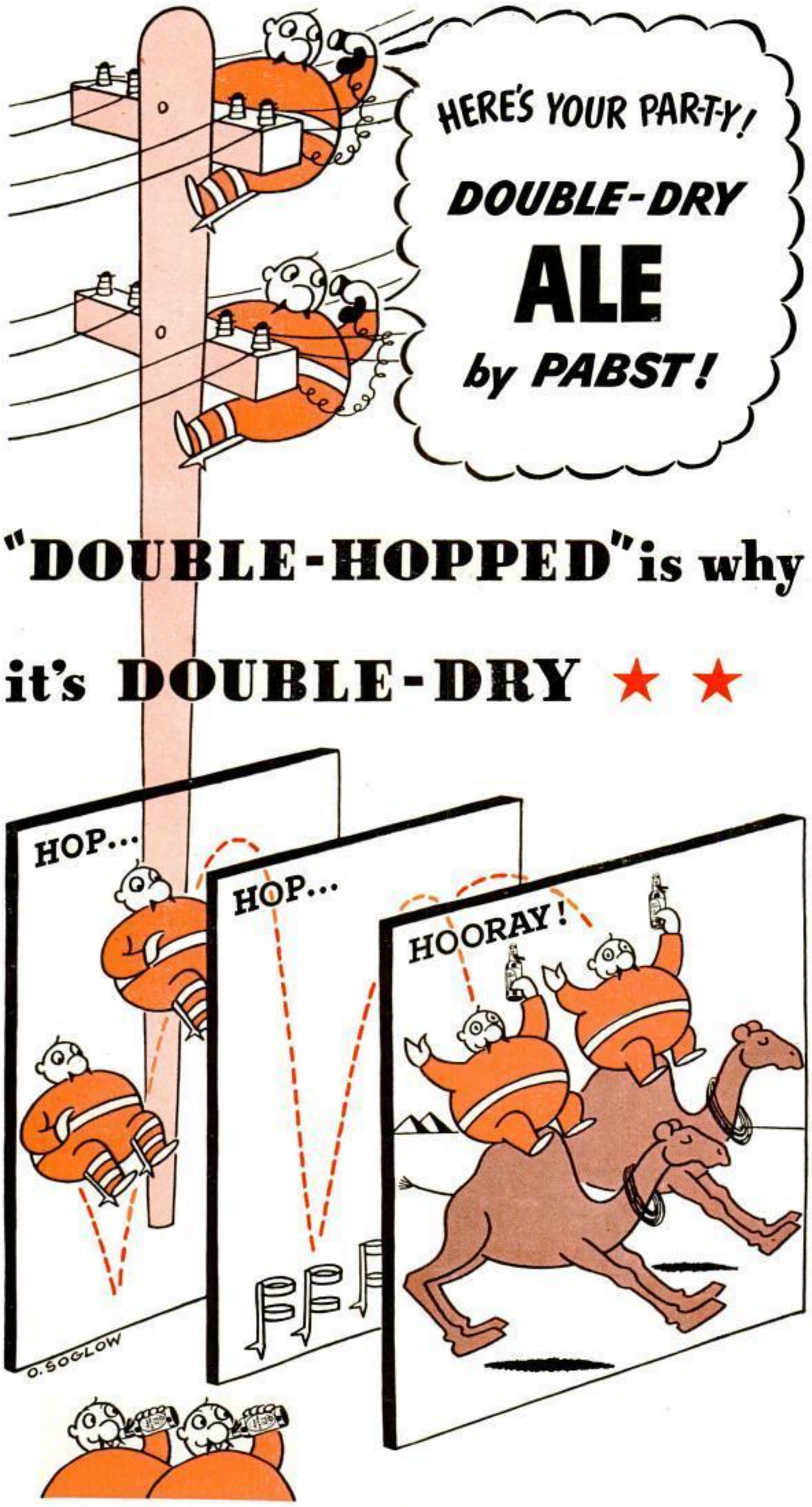
DIXIE CUPS

DIXIE-VORTEX COMPANY, EASTON, PA., CHICAGO, ILL., TORONTO, CAN.

DIXIE CUPS are safeguards of health at all times . . . everywhere. In the office, in the shop, in public places, at soda fountains, on trains and airplanes, the common drinking vessel is a thing of the past. The expanding uses of Dixie Cups are but an indication of the trend of the times.



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U. S. Army Air Forces have their own General Staff, a counterpart of the Regular Army Staff. Instead of the Army's G-1, G-2, etc. it has A-1, A-2, etc. Standing (*above*) is Chief of Staff Brigadier General Carl Spaatz. Behind him, l. to r. are: Brigadier General Ralph P. Cousins, A-1 (personnel); Brigadier General Martin F. Scanlon, A-2

AIRPOWER (continued)

Yet the British Navy has even penetrated the Strait of Otranto into the Adriatic. Malta, 20 minutes from Italian soil, is still British. The chief weakness of the Italian Air Force has been its inability to recognize and identify ships. In July 1940 the Italian Air Force bombed and damaged one or two of its own battleships. In October 1940 Italian planes reported sighting a British aircraft carrier and several destroyers. Two cruisers of heavy gunpower were actually present but not mentioned. A weak Italian naval force was sent to sea to intercept what was thought to be a weak British force. This mistake cost Italy three ships sunk. In February 1941, three Italian reconnaissance planes attacked the Italian heavy cruiser *Pola* outside Spezia, damaging it considerably.

The reader may shrug and say:

"Oh, the Italians!"

But Mussolini's men have plenty of company.

The French had a separate air force. They had no airpower worthy of the name.

The British had—and still have—a separate air force. The Royal Air Force was organized after the last war as a completely separate Government department. It was independent of both Army and Navy. Only after a long pre-war fight was the Navy given operational control of its own air arm, the planes which were actually based on fighting ships.

Co-ordination is what counts

But R. A. F. power still hampers the Navy. The Navy cannot buy or design its own planes and, as a result, many British naval planes are obsolescent by American standards. Inexperienced personnel and pilots, many furnished by the R. A. F., have frequently had no naval education, although their work must be done almost entirely above water in co-operation with navies. This unfortunate system has caused delays, inconvenience and perhaps losses. On one occasion off Sardinia an exceptional opportunity for trapping the Italian Fleet was lost because of confusing and incomplete reports from aircraft manned by observers with no previous naval experience.

The British Navy is not even allowed to maintain shore-based planes. The long-range overwater flying boats, like the Consolidated

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(intelligence); Colonel Earl L. Naiden, A-3 (operations and training); Lieutenant Colonel William W. Dick, Air Adjutant General; Lieutenant Colonel Arthur W. Vanaman, Secretary of Air Staff; Lieutenant Colonel Leland W. Miller, Budget; Colonel Edgar P. Sorensen, A-4 (matériel and supply); Colonel Harold L. George, Air War Plans.

Catalinas which are the U. S. Navy's pride, are operated by the Coastal Command, not by the Navy, even though the planes have to protect convoys, hunt submarines. Not until the first months of the war had shown the absurdity of separating the work of the Coastal Command from that of the Navy was the Coastal Command put under operational control of the Navy. Partly because of improved coordination, convoy protection is now more efficient and the search for the *Bismarck*, which was spotted by a Coastal Command plane, proved successful. No longer do Coastal Command pilots repeat the errors of the early days when they let German U-boats go unmolested because they thought anti-submarine work was the Navy's job.

What of the British air effort in land campaigns?

It has been sadly ineffective.

When General Sir Henry Maitland Wilson came back from the rout in Greece, he is reported to have sworn never again to accept a field command unless he was boss of his own air force. Neither he nor any other British general has ever had such authority. The British Army does not even have the counterpart of the British Fleet Air Arm. In Libya, British fliers have bombed British soldiers, munitions, oil supplies. R. A. F. personnel and Army personnel are not sent home on the same transports, are usually segregated when on leave in Alexandria, because of the soldiers' anger at lack of air support.

In partial and belated recognition of their deficiencies, the British decided in late 1940 to create an Army Co-operation Command of the Royal Air Force, which was to be under the operational control of the Army, as the Coastal Command is now under the operational control of the Navy. The other commands of the R. A. F., including the famous Bomber and Fighter Commands which are bearing the brunt of the air war against Germany, continue under sole R. A. F. direction.

The development of this new Army Co-operation Command has been described as "a hybrid, subject to all the afflictions which pursue hybrids."

Not the least of the reasons why any such organization will not work is that the using and directing service does not have charge of the design or procurement of its planes, the selection or training of its personnel, or the staffing of its bases. The system is co-operation, rather than co-ordination; it is an "if you please," rather than a "you do it" system.

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ON THE AIR AND EVERYWHERE, IT'S—

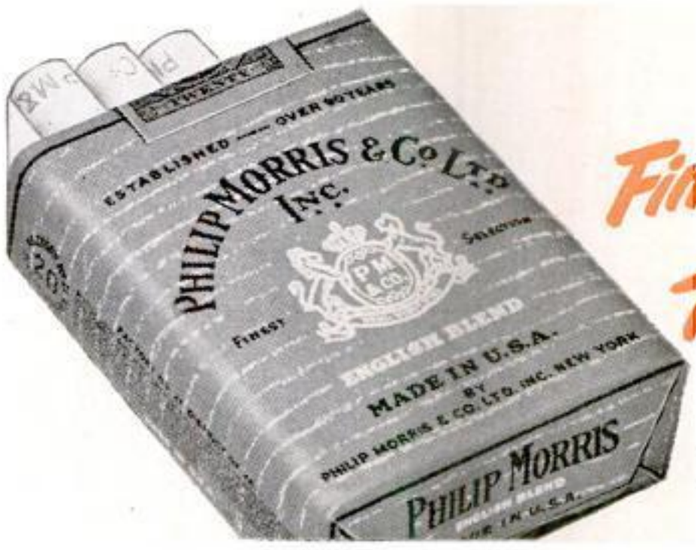


YOU CAN'T HELP INHALING—BUT YOU CAN HELP YOUR THROAT!

IT'S a fact — all smokers *sometimes* inhale. More smoke reaches delicate nose and throat passages. And *chances* of irritation *increase! But now look at the findings* of eminent doctors who compared five leading brands of cigarettes... and report that:

IN STRIKING CONTRAST TO PHILIP MORRIS—IRRITANT EFFECTS OF THE FOUR OTHER LEADING BRANDS AVERAGED *THREE TIMES AS HIGH*—AND *LASTED MORE THAN FIVE TIMES AS LONG!*

Some inhaling goes with smoking... but worry about throat irritation need *not* go with inhaling. Change now to Philip Morris—for pleasure *without penalties. Why wait?*



Finer Pleasure PLUS Real Protection

AMERICA'S FINEST CIGARETTE

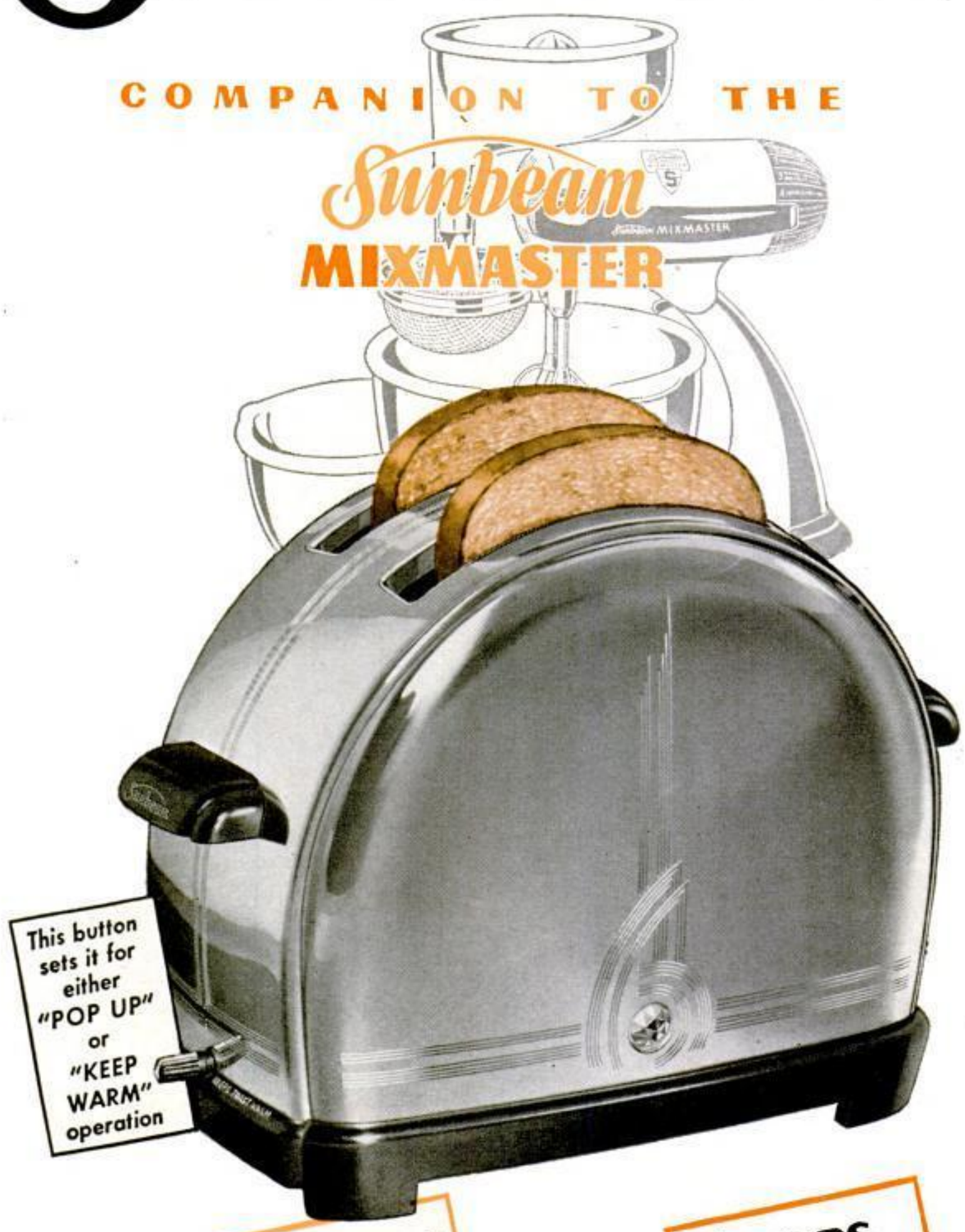
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BE SURE THE TOASTER
YOU GIVE IS THE

Sunbeam

COMPANION TO THE

Sunbeam
MIXMASTER



Either "POPS UP" THE TOAST or "KEEPS IT WARM" in toaster-oven 'til you're ready for it

Here's a "word to the wise" on toasters that's too good to overlook when you make *your* selection of a toaster. Don't ask your dealer for just an automatic toaster. Tell him you want the SUNBEAM. Get the automatic toaster by the makers of the famous Sunbeam Mixmaster. That will be your assurance of the same kind of wonderful satisfaction in a toaster that SUNBEAM is today giving in a food mixer to over two million homemakers.

When you get the Sunbeam you get the toaster that gives you the new, convenient, two-way operation for either "pop up" or "keep warm" action at the flip of a button. And whichever way you set it, the toast is always crunchy-tender—perfect every time. No guesswork. You don't watch it. The toast can't burn because the Sunbeam is completely automatic. No trick to keep it spick-and-span, either. Has the hinged crumb-tray that snaps down for easy cleaning. No other automatic toaster offers *so many* EXTRA advantages.

See the Sunbeam Toaster and the stunning tray set combinations that are available. On sale wherever good electric appliances are sold.

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BY THE MAKERS OF THE FAMOUS Sunbeam ELECTRIC APPLIANCES

AIRPOWER (continued)

The Germans have an independent air force. But essentially it is independent in name only. Army, Navy and Air Force are all organized as "Task Forces" and are under a single command in any campaign requiring the use of all three services. At the front there are smaller task forces, with an air officer, naval officer or army officer in command, depending upon the nature of the task. But the top command has utter authority over all forces.

The German system works because it secures *co-ordination of effort through a direct and unified command.*

The Russian Air Force is part of the Red Army and its main effort is devoted to support of the Red Army. The Red Army has lasted much longer against Hitler than any of the other armies the Germans have met.

In Japan, there is no separate air force; the Army and Navy each control their own air forces, much as our ground services do in this country.

One thing is obvious. It is not the type of organization that matters. France had a separate air force; Germany still has one. Behold the difference.

What matters more than any administrative or organizational framework is the spirit that animates the men who are the flesh and blood of a nation's military power. The men and the training they receive and the knowledge they have, the staff that directs them, the tactical and strategical concepts that dominate them—these are the important items.

Germany is strong because its military studies the whole art and science of war. In this country, we study war piecemeal—the art of air war, or of land war, or of sea war. There are few who can see the whole picture. In Germany Army, Navy and Air Force officers are exchanged. General staff officers get experience in each service. In this country such a program of broad military education has not been, until recently, extensive enough. There are few staff officers competent to handle a combined operation by all arms. The organization is not at fault. The direction of the organization and the spirit of co-ordination are inadequate.

Our Navy is subject to no such difficulties; ships and planes and men function as a team.

In this country, the Navy's planes, whether operating from ships, from the blue water of an island atoll or from land bases, are under naval control. The personnel is naval. The design is naval. The procurement is naval. The result today is the finest naval airpower in the world.

U. S. Army Air Forces have sensible set-up

The Army at present also exercises control over its own Air Forces. But the Air Forces today have a far greater degree of autonomy than ever before. The Chief of the Air Forces, Major General H. H. Arnold, is subject to orders from the Secretary of War and the Chief of Staff of the Army. The Air Forces are set up as Army air *support* commands, not as *co-operation* commands. There is a vast difference. The Army Air Forces have their own Air Staff, separate and distinct from the Army's General Staff, and they can think and plan in broad air terms, as well as in army support terms. Thus the machinery has been established for development of both army co-operation, and long-range strategical bombardment. What has not yet been provided is a



German system provides close co-operation of forces. Here German mountain troops wait to board air transports bound for Crete. The air force carried and guarded troops.

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system for giving men of the air forces a greater knowledge of army ground forces.

Now that there is general recognition of the importance of airpower in war, there is little danger that military shortsightedness will force too great a subordination of airpower's role. But the pendulum has swung too far. There is danger that the roles of armies and navies may themselves be misunderstood or ignored. If we are to make our fighting services the architects of victory, the personnel of the air forces must fully understand the meaning of global power, and the interlocking functions of land, sea and airpower in such a trilogy.

But there are even more compelling reasons than this why the Billy Mitchell dream of a separate and independent American air force should not be realized *today*. The creation of such a force would require a complete reorganization of our defense structure at a time when our defenses are already undergoing unprecedented expansion. The current program might be fatally delayed by such radical reorganization.

Even if a separate air force were created, its existence would be meaningless unless there were also created a higher General Staff with over-all strategical authority. Only such a staff could fully integrate the air force and the surface forces. Without such integration a separate air force would be of small value. But the American system of government could not be easily adapted to such centralization of military power. Neither the President, who now wields such power, nor Congress, which can curb it, would be willing to give it into military hands.

Both the Army and Navy air forces today are in the midst of unprecedented expansion. If a separate air force were to be set up, the job might become—in the midst of world emergency—an impossible one. Not only would the air forces be faced with the problem of pilots, air crews and planes, but the vital supporting services of the Regular Army and Navy—ordnance, quartermaster, engineers, medical and dental and supply, etc —would no longer be available to the new service. Even the provision of such minor things as troops to guard outlying air bases, anti-parachute units, and crash boat crews would have to have some new solution—and there is no longer time for this.

Finally, an unhappy but human fact must be faced. A separate air force today would create service jealousies and service bitterness. It would construct a wall of opinionated emotion which would do more toward preventing effective co-ordination of effort than any other factor.

This is no time for a separate air force

Airpower has revolutionized war, but chiefly because of its tactical influence upon land and sea warfare. It is possible that some day it may revolutionize strategy by making battles in the old sense obsolete. But its development, particularly its administrative development, should be evolutionary, not revolutionary.

This is no time for a separate air force. That day may come. Certainly Americans must keep an open mind as airpower spreads its wings. But *now*—today in the midst of Armageddon—now and throughout the war whose first shots we have already fired, we must preserve a proper proportion between the new, which may not be so absolute as its enthusiasts imagine, and the old, which is always being modified, but can never be superseded.

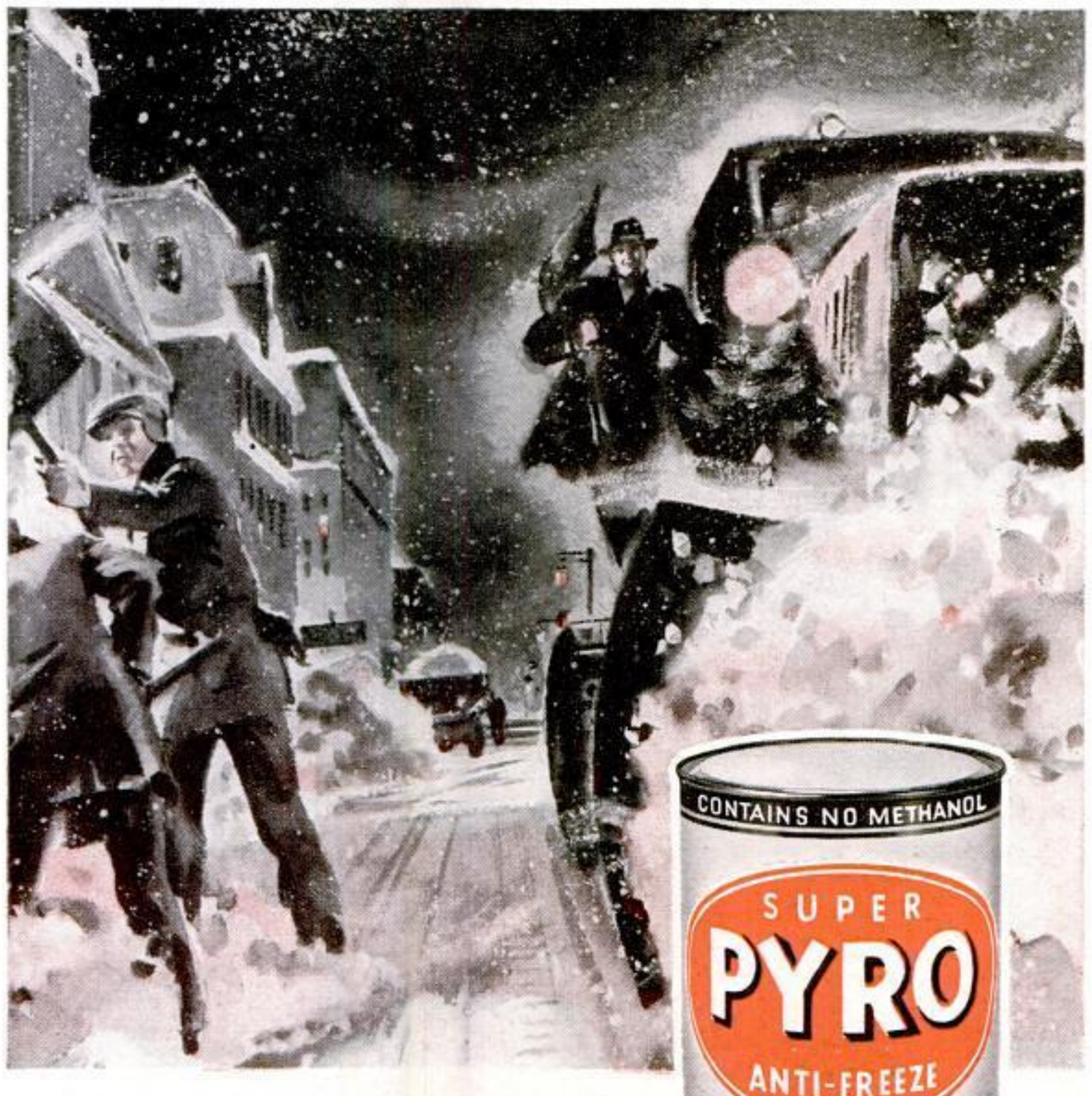


German troop transports cover Crete airport after sudden mass landings. Crete was a victory for German airpower. Adequate British airpower might have turned the tables.

When a crowd gets out of hand—



"Call Out the Reserves!"



when a sudden freeze strikes, you need Super Pyro's

Anti-Freeze Reserve!

ANY good anti-freeze will take care of you during *mildly* cold weather. But how about those unexpected, violent over-night changes . . . when a surprise freeze suddenly blankets the town . . . when the bottom seems to have dropped right out of the thermometer? What sort of anti-freeze protection will you get *then?*

28 Degrees More

Super Pyro gives you more protection than other types of $1.00 anti-freeze. You can actually get twenty-eight degrees more *RESERVE PROTECTION* than with the next leading type in the dollar field! . . . *RESERVE PROTECTION* which is right there on the job when you need it!

Enjoy Real "Peace of Mind"

Super Pyro won't boil at normal engine heat. So why not do the logical, the economical thing. Fill with $1.00 per gallon Super Pyro today, and get rid of freeze-up worries *now!* U. S. Industrial Chemicals, Inc., New York, N. Y.

READ THESE 3 VITAL FACTS!

1 . . . Automobile engineers emphasize that the boiling point of an anti-freeze solution is all-important. Because the more anti-freeze used, the more chance of boil-away.

2 . . . Modern motors develop a heat of 180°. So engineers warn not to use solutions that boil at less than 180°.

3 . . . THE IMPORTANT FACT about Super Pyro is that when mixed in a solution which boils at 180°, it protects to THIRTY BELOW ZERO! A similar solution of another type of $1.00 anti-freeze protects to only TWO BELOW ZERO.

SUPER PYRO

No Boil-away at Normal Engine Heat

The $1.00 ANTI-FREEZE with "RESERVE PROTECTION"

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GLOVES

AMERICAN GLOVERS PUT A FRENCH FINISH ON THEIR STYLES TO GAIN WOMEN'S FAVOR

The 18 gloves shown on the page opposite are all made in the U. S. Little more than a year ago a similar display of stylish gloves would have come mostly from France. U. S. manufacturers concentrated on the less expensive, mass-consumption products, leaving the fancy lines to importers. Then factories in Gloversville and Johnstown, N. Y. began experimenting with new tanning processes to give a French appearance to gloves, hired French designers as stylists. During the past year this glove center of the U. S. has turned out more than 9,000,000 pairs of fine dress gloves, an increase of 30% over the previous year.

Glove retailers, who feared curtailment of imports would ruin their business, report women are buying more gloves than they have in a decade. Many who used to be content with one dark and one white pair now have a complete glove wardrobe. Biggest news is the popularity of the arm-length evening gloves reminiscent of the elegant 1890's. The arms of this season's dancing ladies, covered with long gloves and lacy mitts across the hand, will look like those of Charles Dana Gibson girls, but in bright colors.

Glove-sleeve, one of season's novelties, is featured in frock below. Glove is made of same material as bodice of dress, is snapped on under arm, forms mitt over hand.



Top Row: Capeskin shortie; mocha with gold kid; pigtex & fabric; kid with lipstick holder; black suede with gold; capeskin & initial button. **Center row:** arm-length suede with black sequins; suede in high colors; lace & suede; brushed velour; lace mitt; black suede with net on the ring finger, rhinestone trim. **Bottom row:** doeskin with capeskin palm; *glacé* with colored stitch; suede with scalloped cuff; gold kid with suede; fur cuff on suede; fabric with colored stitch.

THE 5 CROWNS BOWL TOUGHNESS OVER



Our 5 Crown has started a rally,
Just taste it! It's right down your alley
It's smooth and it's rich,
It's the kind of drink which
Is friendly—in fact, "pally-wally."

For Seagram's gives TOUGHNESS
the go-by,
The instant you try it you know by
The taste—that it's rare,
And with flavor to spare,
What finer drink can your dough buy?



Seagram's 5 Crown

Seagram-Distillers Corporation, New York

Seagram keeps the TOUGHNESS OUT ... blends extra PLEASURE IN

Seagram's 5 Crown Blended Whiskey. 86.8 Proof. 72½% grain neutral spirits.

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FROM THE PORCH OF THEIR COUNTRY HOUSE, ALEXANDROV AND ORLOVA CAN WATCH THE BOMBING OF MOSCOW, 35 MILES AWAY. WOODS ARE FULL OF GUNS AND ENCAMPMENTS

ORLOVA STANDS AT HEARTH AFTER DINNER WHILE ALEXANDROV (FAR LEFT) TALKS WITH ERSKINE CALDWELL. THEY USED HOLLYWOOD & MEXICAN IDEAS IN DESIGNING HOME

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Life Calls on a Russian Movie Star

Orlova, Russia's Mary Pickford, lives in style at country "dacha" near Moscow

To most Americans the U. S. S. R. is a vast, dreary, egalitarian poorhouse in which every worker and peasant receives exactly the same allotment of shoddy garments, bad vodka and overcrowded living quarters. Actually Russia, a land of surprises, has not only its "millionaires" but its "town and country set" to boot. These extraordinary pictures, taken last month by LIFE Photographer Margaret Bourke-White, show how comfortable life can be for Soviet favorites. They show the dacha, or country house, of Movie Director Gregory Alexandrov, Russia's Darryl Zanuck, and his movie star wife, Lynbov Orlova, who plays roles reminiscent of Mary Pickford. Alexandrov and Orlova have an apartment in Moscow as well, but they prefer to stay at the dacha, some 35 miles from Moscow and now within range of German guns.

Orlova (whose name means "eagle" in Russian) is the leading Soviet movie star. With persistent adoration, Alexandrov builds his movies about her. She was seen by American audiences in *Moscow Laughs*, is now wowing Russian audiences in *Cinderella*, the story of a girl worker in a textile factory who is unhappy because her productivity at the machines is low. Finally she becomes the speediest loom operator in the mill, wins new friends, The Boy, and the Order of Lenin.

Orlova, much decorated, herself holds the Order of Lenin. She is paid about 50,000 rubles a year, with a buying power of about $10,000. She can invest her earnings at 4% in U. S. S. R. bonds. If her dacha suffers from such generic Russian faults as imperfect plumbing and lack of central heating, it boasted six servants and two automobiles before the war began. Since then, as a patriotic gesture, she and her husband have sent four of the servants to work in the factories, given one car to the Government.

The only people in Russia with such comforts are the top-rank writers, artists and politicians. If Orlova and Alexandrov remain ideologically "sound," they may live on the same scale as a top commissar. But for the richest man in Russia, turn the page.



Alexandrov calls Orlova "Charlie," stars her in all his pictures. Her slacks are unique, regarded as daring in Russia. Fans love her tomboy manners.



At dinner, Orlova served Caldwell and Miss Bourke-White a meal which included caviar, sliced onions, cucumbers, salted fish, ham, several vegetables, salad, chocolates, cookies, cakes, a choice of ordinary or Turkish coffee, Georgian vodka. The two household servants receive about $40 each a month, and board.



Alexandrov lights his wife's cigaret with a glowing coal. He designed the dacha to embody ideas he picked up while visiting the U. S. and Mexico, but Soviet construction was bad. The hot water isn't hot, the plaster keeps falling off. Below: Extras in an Orlova-Alexandrov film rest between scenes.



CONTINUED ON NEXT PAGE



"We used to rate around here until he bought an Arrow Tie!"

• See the new fall Arrows yet? They're beauties! They've got the latest patterns and stripes, and a special resilient lining that wards off wrinkles . . . and they make faultless knots! Your Arrow dealer has the new Arrow Ties. See them today! $1.00, $1.50, $2.00, $2.50.

ARROW TIES

As Outstanding as Arrow Shirts

Made by Cluett, Peabody & Co., Inc.



Greatest gift in the world for a Man...



Time to play Santa Claus yourself. And there's no longer a problem as far as the men on your list are concerned. It's all solved for you in leading men's stores and shoe departments throughout the country. There you'll find Evans Slippers in a wide variety of colors and styles sure to suit the masculine taste . . . the very kind of gift a man would buy for himself.



L. B. EVANS' SON COMPANY,
WAKEFIELD, MASSACHUSETTS.



EVANS 100 YEARS STANDARD E

Your guide to the best in Men's Slippers

1841 Hundredth Anniversary 1941

Evans Slippers

GENUINE HAND TURNED

THE NAME EVANS has stood for fine craftsmanship in footwear since 1841. What better way to celebrate our hundredth birthday than to offer the men of America this most modern and styleful line of slippers.

Alexei Tolstoy is Russia's greatest writer

"From each according to his ability, to each according to the work performed," is a tenet of the Soviet Constitution which the U. S. S. R. has applied literally and generously to Alexei Tolstoy, whom it considers after the late Maxim Gorky its greatest writer (*Peter the First, Darkness and Dawn, A Trilogy—Pilgrimage of Torrents*). Tolstoy, born a count, a kins-



Before the hearth in his dacha, Alexei Tolstoy drinks a toast in cognac to Russian-American friendship with Erskine Caldwell, Miss Bourke-White's husband. Tolstoy,



Tolstoy outlines his books standing up at an old desk, then sits down and types. Recently he told the Soviets to "hate Hitler" as the only means of destroying him.

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and also the wealthiest man in the U.S.S.R.

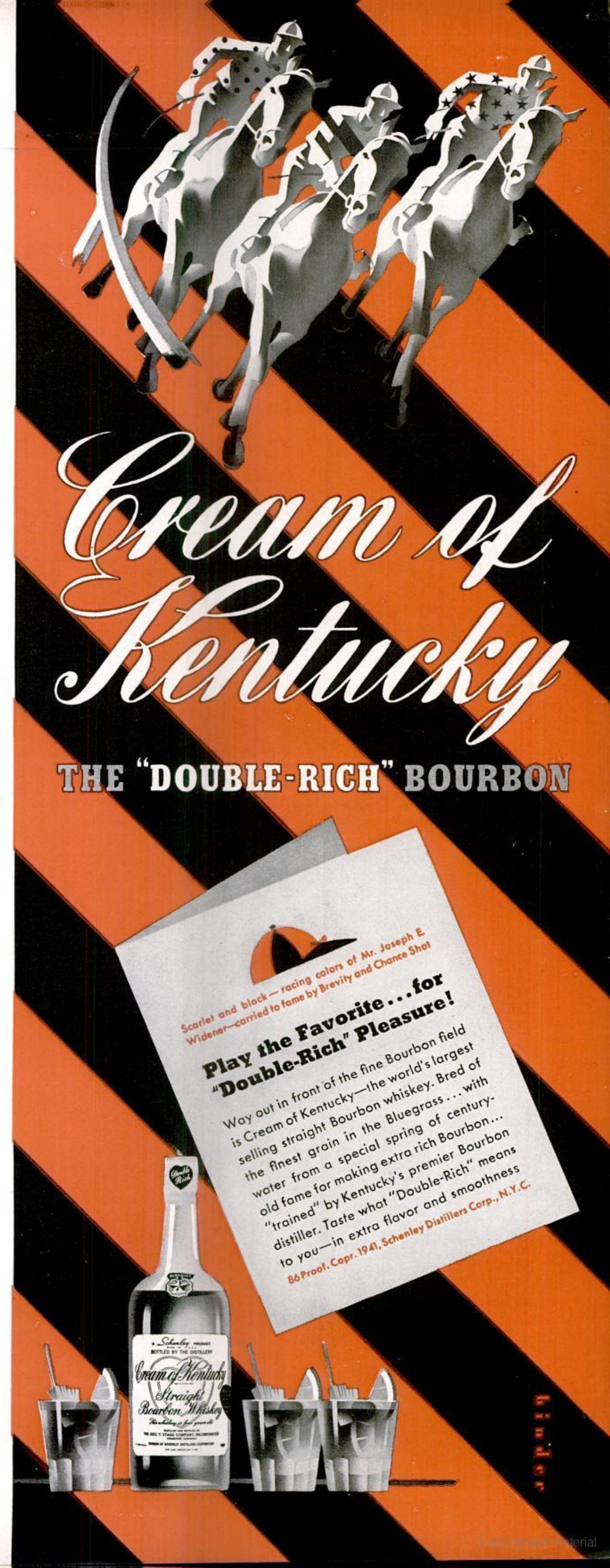
man of the late great Leo Tolstoy (*War and Peace*, *Anna Karenina*), has received every material mark of Soviet esteem. He owns a dacha, only three miles from Orlova's, where he lives and writes all year around. He owns a large and valuable art collection. He is Russia's richest man, a ruble millionaire with a fortune estimated at upwards of 2,500,000 rubles ($500,000).



in beret and loud jacket, usually looks like a Hollywood director on location. He once traded pipes with Stalin. Stalin uses Tolstoy's, but Tolstoy keeps Stalin's under glass.



Tolstoy's young wife was his secretary. The Tolstoys became the wealthiest people in Russia after a bomb killed even richer Director and Writer Alexander Afinogenov.



GIVE HER LOVELINESS

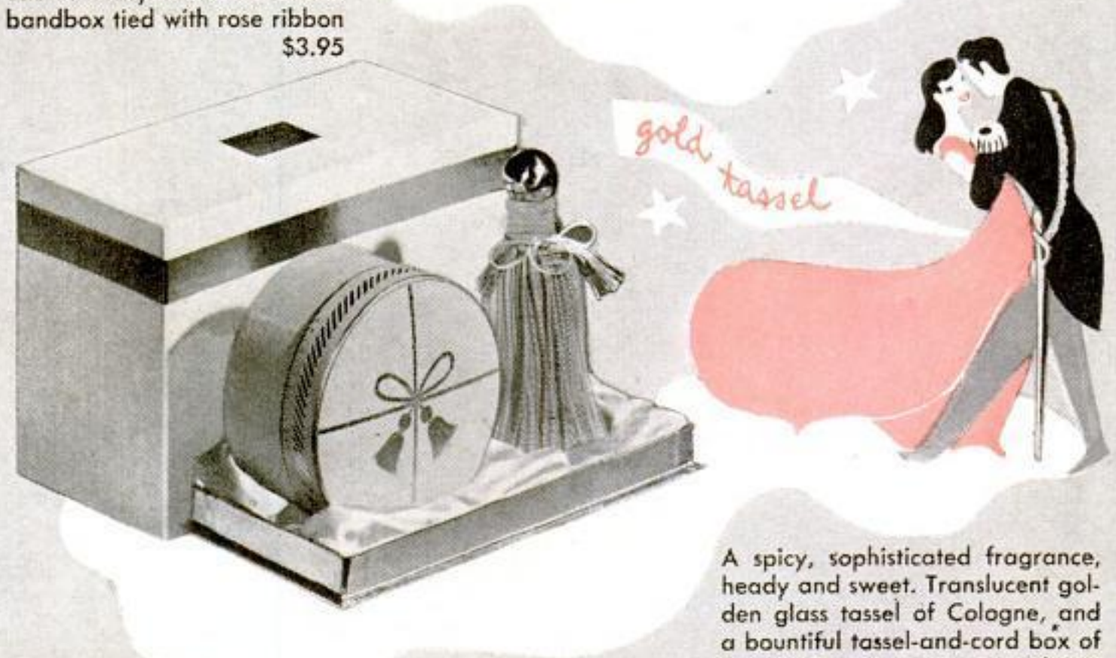
in this starry snowy season. All the New Year through she'll thank you for these divinely packaged Wrisley toiletries, delicately fragrant and beautifully refreshing!



A new fragrance, individual and exotic . . . a perfect gift for a free spirit! Pink Coral Cologne in a rare shell-like bottle, Dusting Powder and Bath Crystals $1.50



For a beauty! Gay, pink soap-balls, rose-scented Cologne and Bath-Oil in square crystal bottles, and petite bandboxes of Beau Rose Dusting Powder and Bath Crystals. All in a blue bandbox tied with rose ribbon $3.95



A spicy, sophisticated fragrance, heady and sweet. Translucent golden glass tassel of Cologne, and a bountiful tassel-and-cord box of Dusting Powder . . . $1.50



For a man. Wrisley's LAVENDER SHAVING SET. Handsome, masculinely elegant, this copper-trimmed, tweed-printed case with Lotion and Shaving Bowl $1.00



For a young girl's dressing-table, this dainty sparkling JUNIOR HOBNAIL SET. Two bottles of fresh sweet Cologne and hobnail jar of Dusting Powder $2.00



Wrisley

ON CHRISTMAS COUNTERS EVERYWHERE

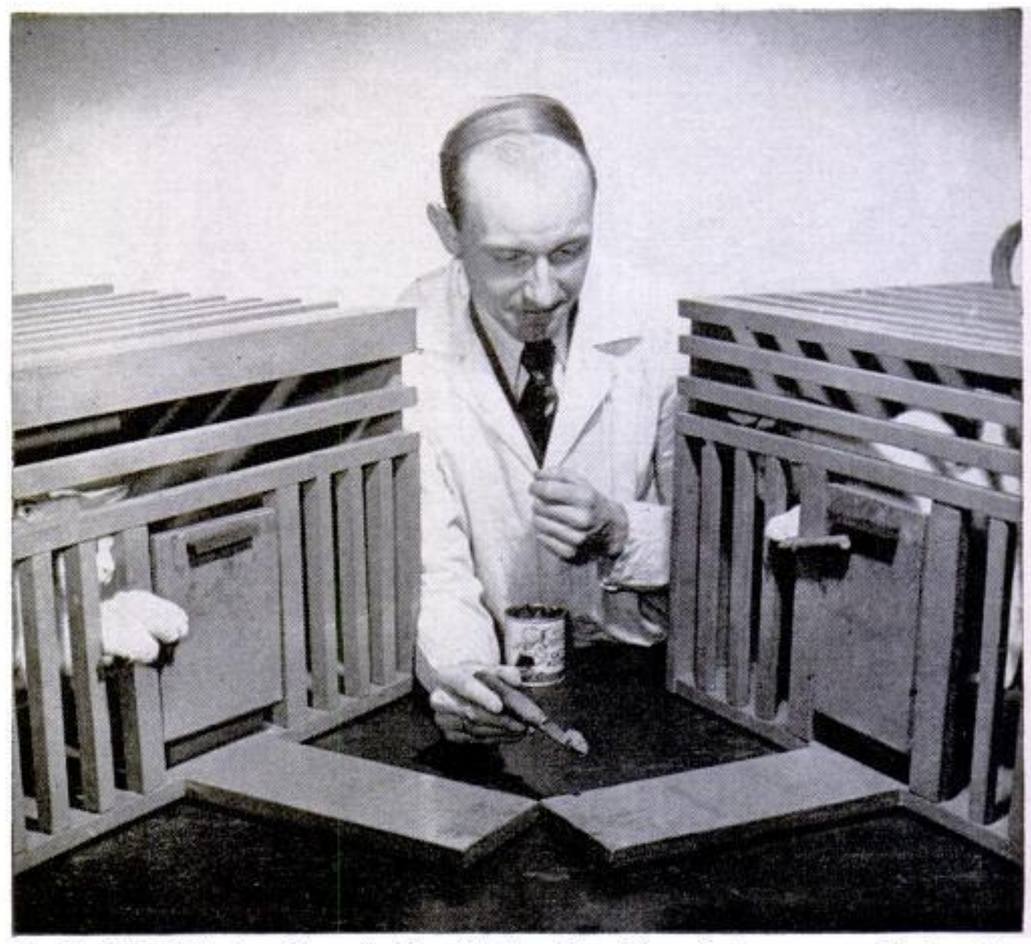
ANIMALS

SMART CATS

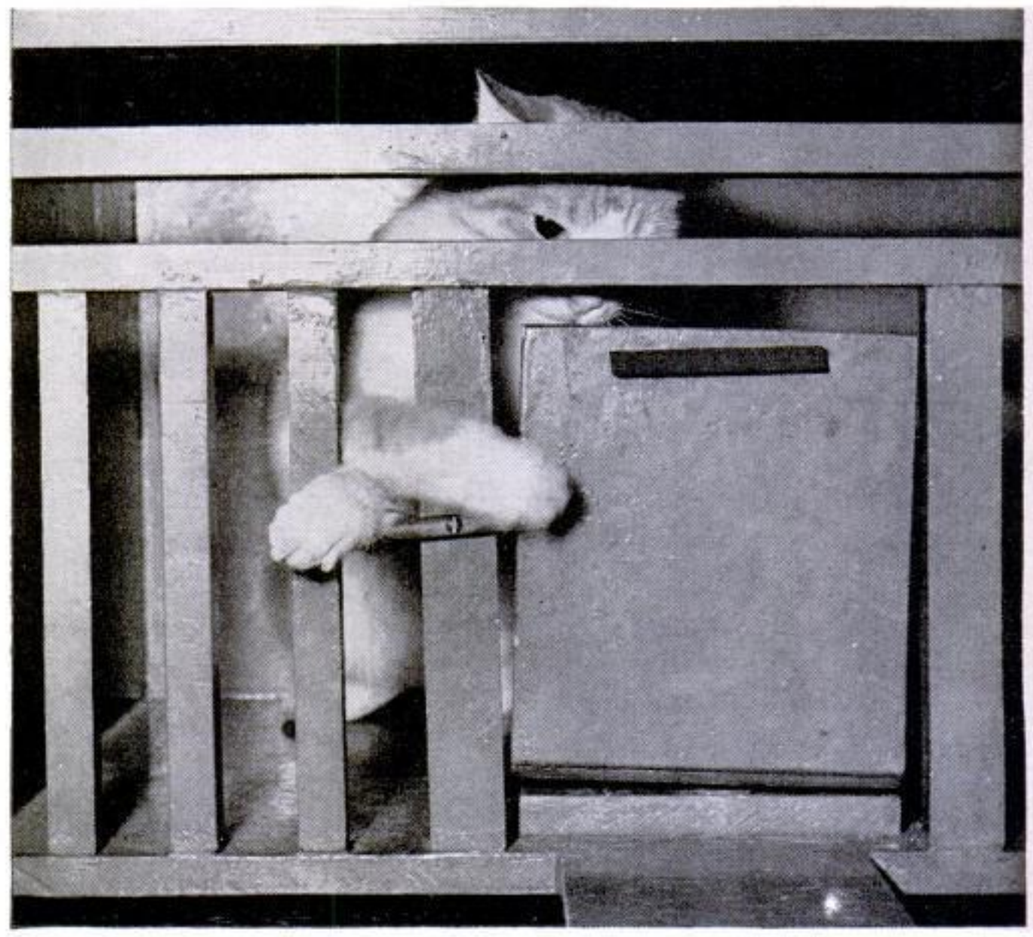
THEY PERFORM INTELLIGENTLY IN LABORATORY

The cat, who in Kipling's words "walked alone," is reputed to be a highly intelligent animal but strongly individualistic and non-co-operative with his fellow cats. Under scientific investigation, however, only the first part of this reputation stands. The experimental situations shown here, devised by Dr. C. N. Winslow of Brooklyn College, prove that cats do have a high level of intelligence. But they show also that cats have complex and varying personalities, that they are just as often gregarious, co-operative and altruistic as the opposite.

Dr. Winslow confronts his cats with problem situations in which they have the choice of competing or co-operating. He finds that good-natured, friendly cats work out the problem together and share the prize for its solution. Unfriendly cats fight over both problem and prize. Because the problems require intelligence, smarter cats can and do win over cats that are socially more aggressive. And even unsuccessful cats demonstrate their intelligence by quitting when competition is too much for them.

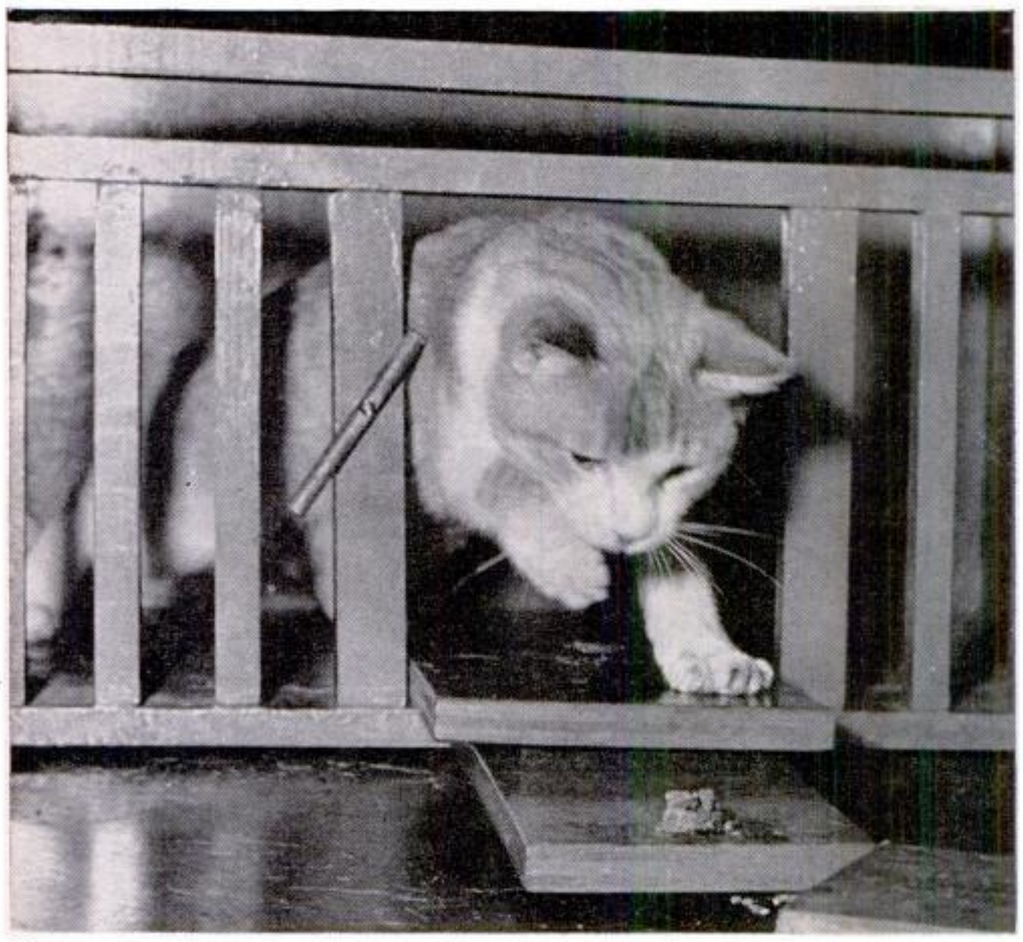


1 Dr. C. N. Winslow places food on the boards, midway between cages. Each of the cages has a trick door which the cat must find a way to open. The cats start working.

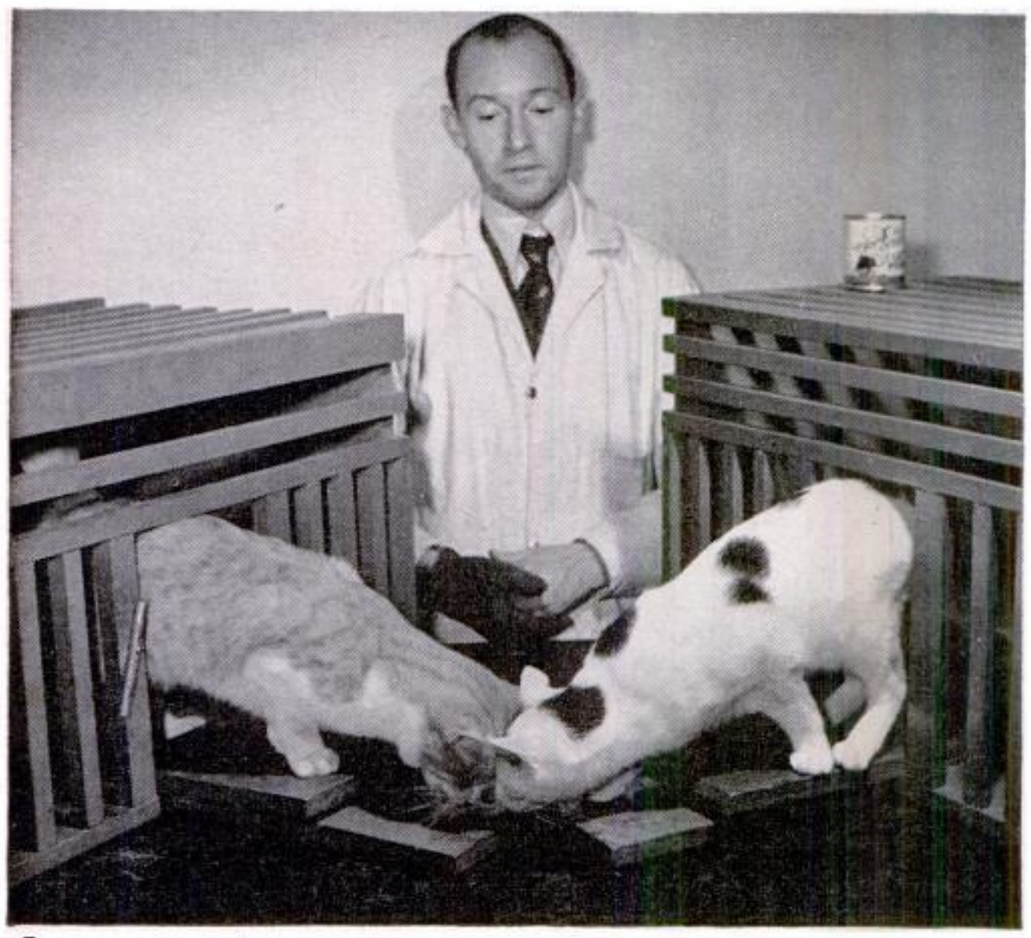


2 With crossed paws, smarter cat establishes strong leverage and gets door open first. Cats easily solve such problems but vary in skill with which they solve them.

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3 Door drops flat and cat escapes to make quick rush for prize. Competitive cat will quickly gobble food. Altruistic cat will approach it calmly, share it with the loser.



4 The losing cat arrives late, tries to muzzle in on the prize. Intelligent winner concentrates on the food. Competition ranges from friendly rivalry to all-out battle.



5 Two other cats, less good-natured than first pair, neglect prize to fight. In the experiment all cats reacted in conformity with their previously observed personalities.

CONTINUED ON NEXT PAGE



EASTERN ICE YACHTING CHAMPIONSHIP BOWL. The greatest ambition of any ice boat skipper is to win the silver bowl shown at the right—emblem of the open championship. To win it, he must first become champion of his boat class in the annual regatta held by the Eastern Ice Yachting Association—then outsail all other class champions in the finals. In a sport where speeds of 154 miles an hour have been attained, winning the "Open" calls for a skipper and boat that are both better than good!



EMBLEMS OF EXCELLENCE

ETHYL EMBLEM. There is an award for excellence in gasoline too. It is the Ethyl name. Gasoline in a pump which bears the Ethyl trade mark has to be better than good. It must be "tops" in anti-knock (octane number) and all-round quality. "Ethyl" means a cooler-running engine in summer; a quicker-starting engine in cold weather; extra power throughout the year. When you stop to buy gasoline, "Ethyl" tells you which pump contains the best.

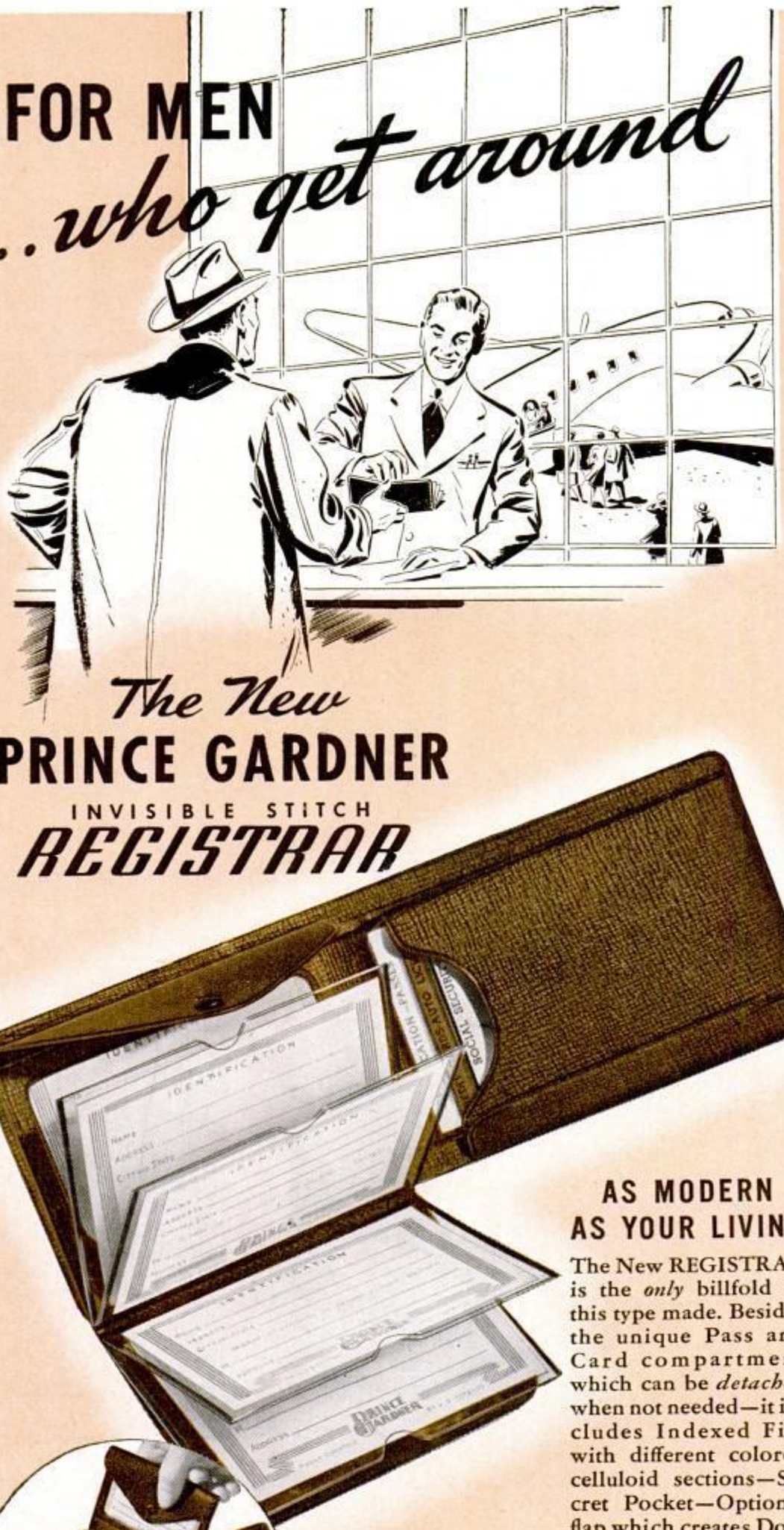


THE BETTER THE GAS, THE BETTER YOUR CAR

ETHYL GASOLINE CORPORATION, NEW YORK CITY

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FOR MEN ..who get around



The New
PRINCE GARDNER
INVISIBLE STITCH
REGISTRAR



2 BILLFOLDS IN 1

Simply unsnap the clever pass and card compartment and you have smart —Wafer-Thin—Flexible billfold for everyday use.

AS MODERN AS YOUR LIVING

The New REGISTRAR is the *only* billfold of this type made. Besides the unique Pass and Card compartment which can be *detached* when not needed—it includes Indexed File with different colored celluloid sections—Secret Pocket—Optional flap which creates Double Money compartment—and Floating Non-Buckling center which expands or contracts according to the bulk of material carried.

Modern living calls for this new type billfold. Busy men need the extra space the new Registrar gives them. On one side is a specially constructed feature holding nine compartments for the Railroad passes—Identification and Credit Cards used daily. On the other is a colored indexed file for Registration and other cards not so regularly in demand. With the Registrar on the hip any card—license or pass may be located and displayed currently without fuss or bother.

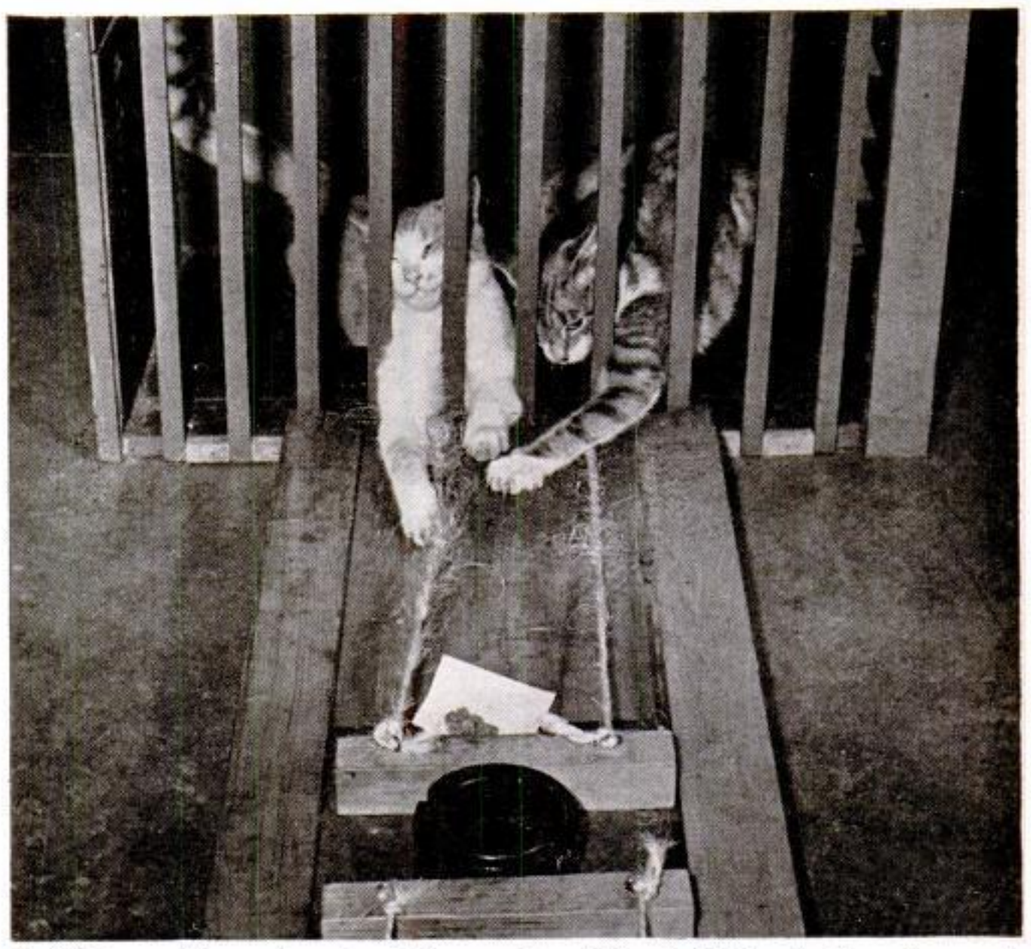
Give him a Registrar this Christmas. They are on display at any leading store. Prices range from $3.50 to $20.00.

PRINCE GARDNER

PRINCE GARDNER
Creators of the **Invisible Stitch Billfold**
ST. LOUIS · NEW YORK · CHICAGO · TORONTO

Look for this Crest—
You'll find the Best

Cats (continued)



1 String problem pairs cats at close quarters either to fight and get nowhere or to co-operate. Cat on the right above tries to bat rival's paw away from the string.

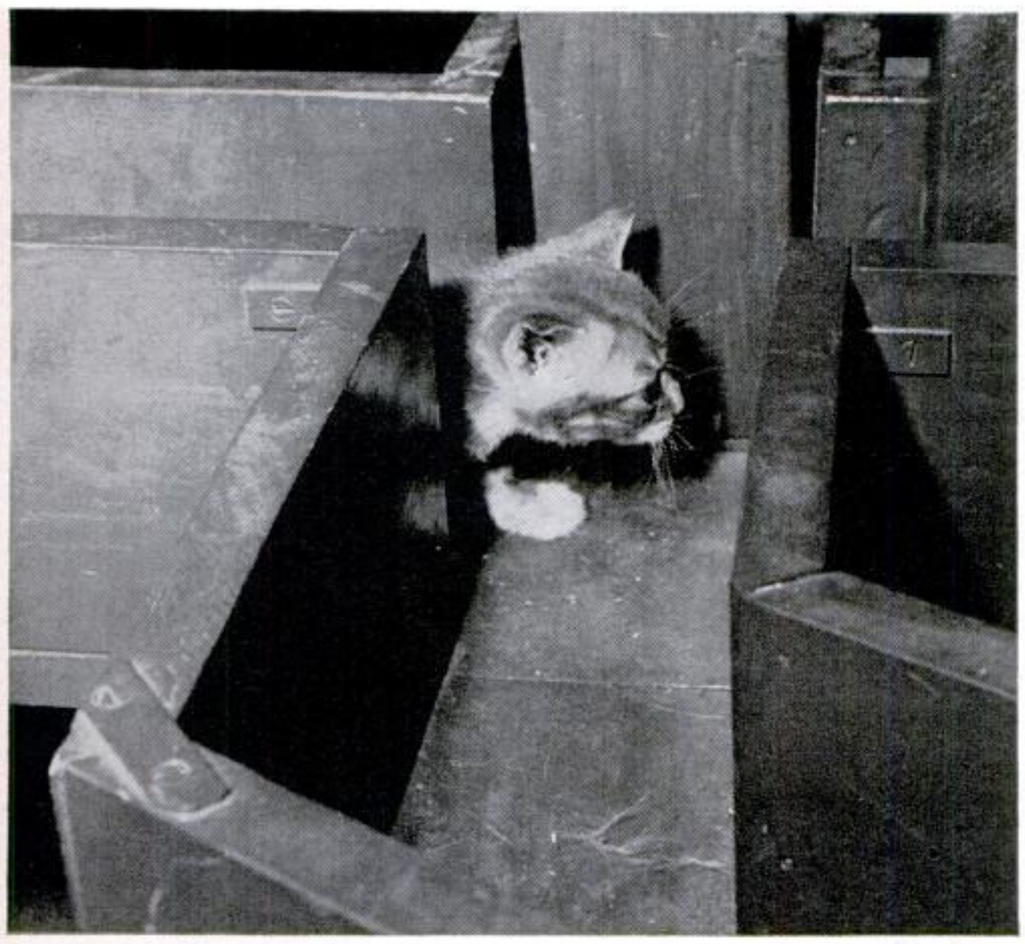


2 Cats co-operate reluctantly, alternately pulling together and trying to outreach each other to food. Some pairs of cats settled down to co-operate and share prize.

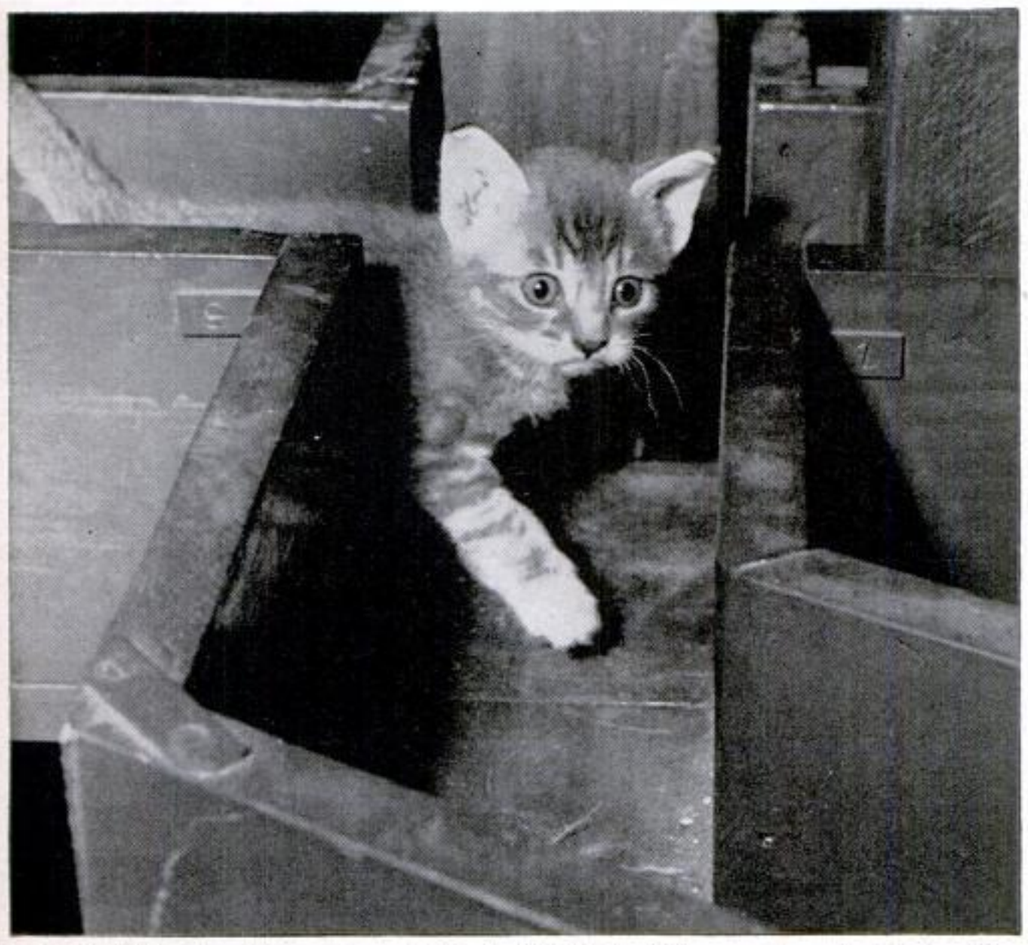


3 With food in reach, more aggressive cat pins other against bars of cage, monopolizes prize. Here there is stronger correlation between physical prowess and success.

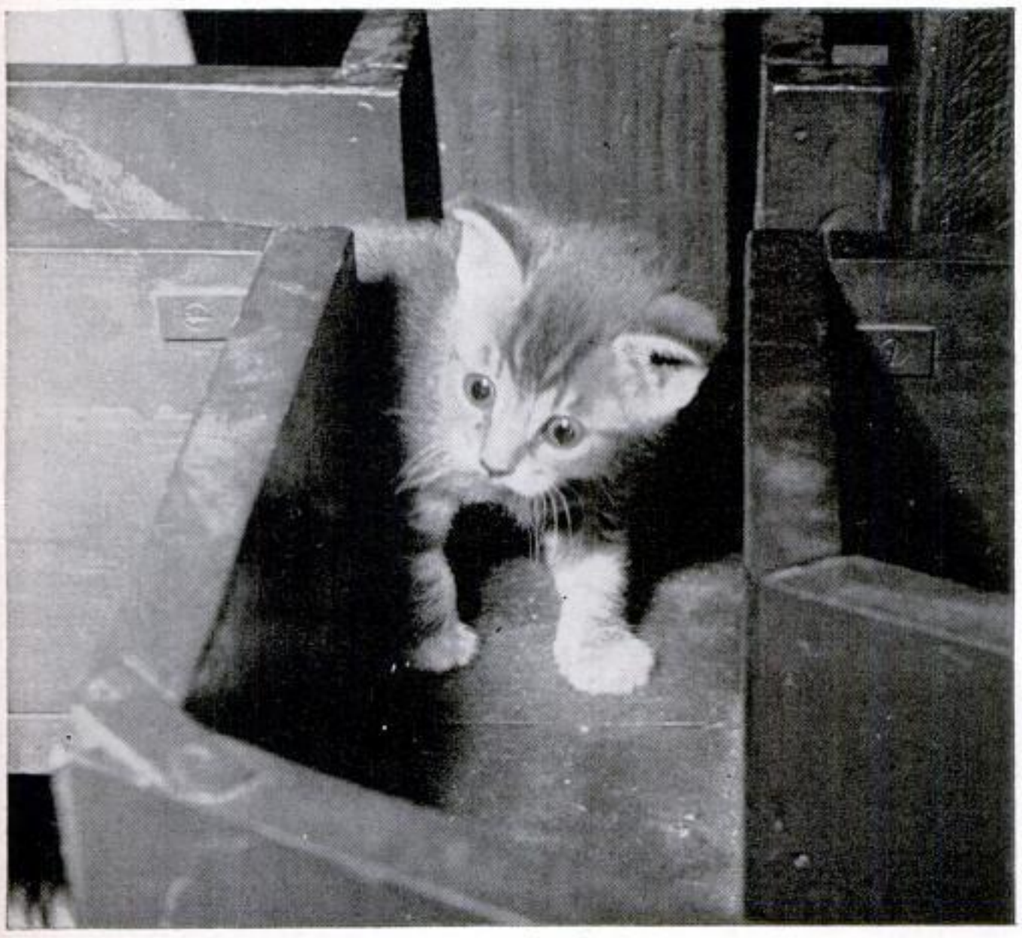
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1 Six-week-old kitten runs maze in experiment to measure speed and level of learning. Maze offers the kitten three alternative routes, only one leading to food box.



2 The kitten has traversed route 1 to find it blocked. She now inspects the tempting runway and figures out that it is only the end of route 2 in the same blind alley.



3 About to retrace steps, the kitten takes last look at route 2. She has intelligently figured out route 2 without running it, hereafter will run through open route 3.



Give the Luxury of

8 Year Old

Ancient Age



Only at 8 year age does whiskey achieve the luxury of super-rich flavor *and* mellow mildness. Only Ancient Age gives you these luxuries at their best. To honor an ancient friendship... suit your gift to the sentiment. Give Ancient Age.

Blended Straight Whiskey — 86 Proof. The Straight Whiskies in this Product Are 8 Years Old. Schenley Distillers Corporation, New York City, N. Y.

The Whiskey of 8 "Flavor-Years"

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A short course in tobacco success



This poor tobacco leaf tried hard to make something of his life. But he was totally handicapped by lack of good breeding. So, he was barred from admission to Briggs Pipe Mixture.



This tobacco leaf came from one of the finest Old Kentucky Burley families. But he left home too soon. He lacked the maturity and mellowness that Time alone can bestow. And so, Briggs couldn't use him.



This tobacco leaf had *everything*. A blue-blooded pedigree —plus mellow age and charm. He passed his exams with flying colors and was pronounced "okay for Briggs Pipe Mixture."

Only the finer tobaccos are chosen for Briggs. Then they're aged for years in fragrant oaken casks . . . *longer than many luxury priced blends*. That's the mellow secret of Briggs bite-free flavor. For more pipe-pleasure, try a tin. Only 15¢.



BRIGGS
PIPE MIXTURE

1 Extra Fine Tobaccos

2 Aged Extra Long for Extra Flavor

Copyright, 1941, by P. Lorillard Company

PICTURES TO THE EDITORS

A WALLFLOWER BLOOMS

Sirs:

I recently attended a party given by a group of college-girl psychology majors. I noticed that all except one were carefree and happy. That one remained aloof and gloomy. The girls told me she always acted that way and never joined in their fun. They asked me to do something for her.

I hypnotized the young lady and cured her of her inhibitions. The photographs below show her (1) sitting apart from the group, (2) undergoing the hypnotic treatment, (3) becoming the "life of the party" and (4) paying the hypnotist a gentle tribute.

DR. CHARLES
New York, N.Y.



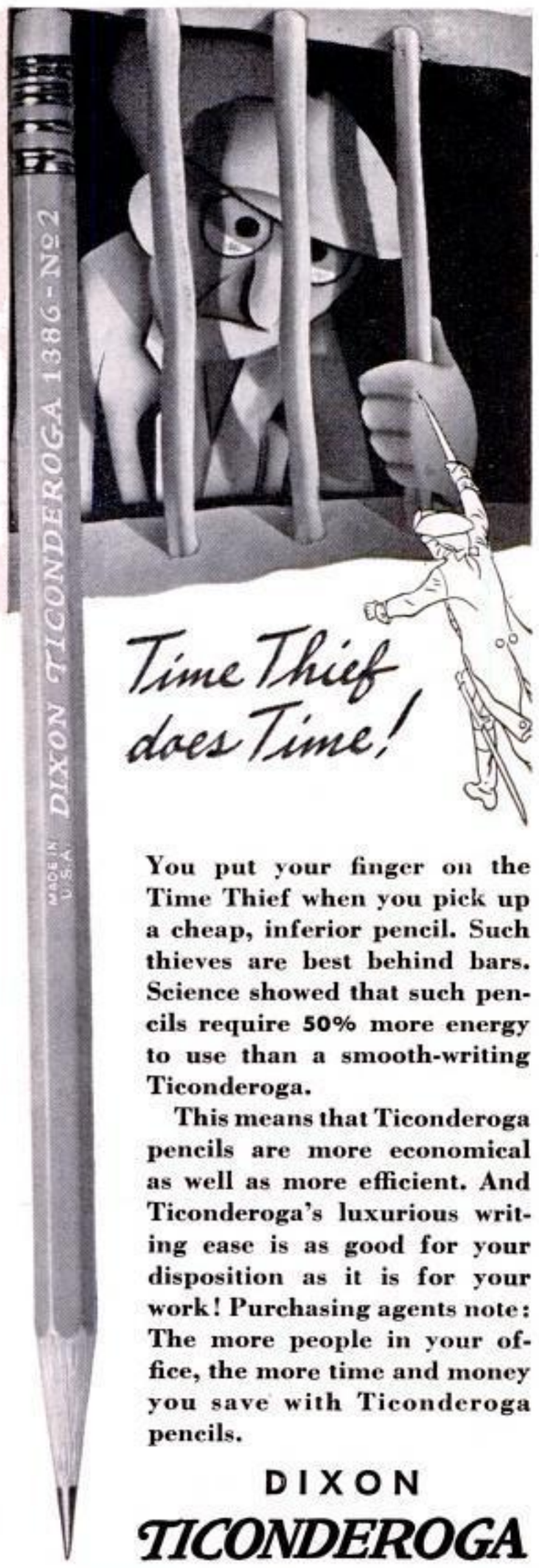






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Time Thief does Time!

You put your finger on the Time Thief when you pick up a cheap, inferior pencil. Such thieves are best behind bars. Science showed that such pencils require 50% more energy to use than a smooth-writing Ticonderoga.

This means that Ticonderoga pencils are more economical as well as more efficient. And Ticonderoga's luxurious writing ease is as good for your disposition as it is for your work! Purchasing agents note: The more people in your office, the more time and money you save with Ticonderoga pencils.

DIXON
TICONDEROGA

An extraordinary 5¢ pencil. Get quantity quotations from your stationer or stationery dealer.
Joseph Dixon Crucible Co., Dept. 43-J12, Jersey City, N. J.



Take a tip from this smiling family—always keep Chap Stick handy. Medicated—it brings quick relief to chapped, roughened lips. Used before exposure, it protects from wind and cold. "*Stick*" or "*Chap Stick 'Fives,*'" the new individual tins, five to a pack—25c. For FREE sample, write **ChapStick,** Dept. L-14, Lynchburg, Va.

FLEET'S *Chap Stick* "FIVES" OR STICK



BINDERS for LIFE
1 Binder holds 13 issues.
4 Binders hold full years issues.
No punching, just a click and they're bound.
$1.50 EACH — WE PAY POSTAGE
AMERICAN BINDER CO. • 253 - 5th Ave., New York

DROWSY?
Easy-to-take tablets for over-indulgence, sleepy drivers, drowsiness. Harmless as coffee!
Since 1933
At your druggist — 10c - 25c
Keep Alert with NŌDŌZ AWAKENERS

PICTURES TO THE EDITORS

(continued)

COWBOY FASHIONS

Sirs:

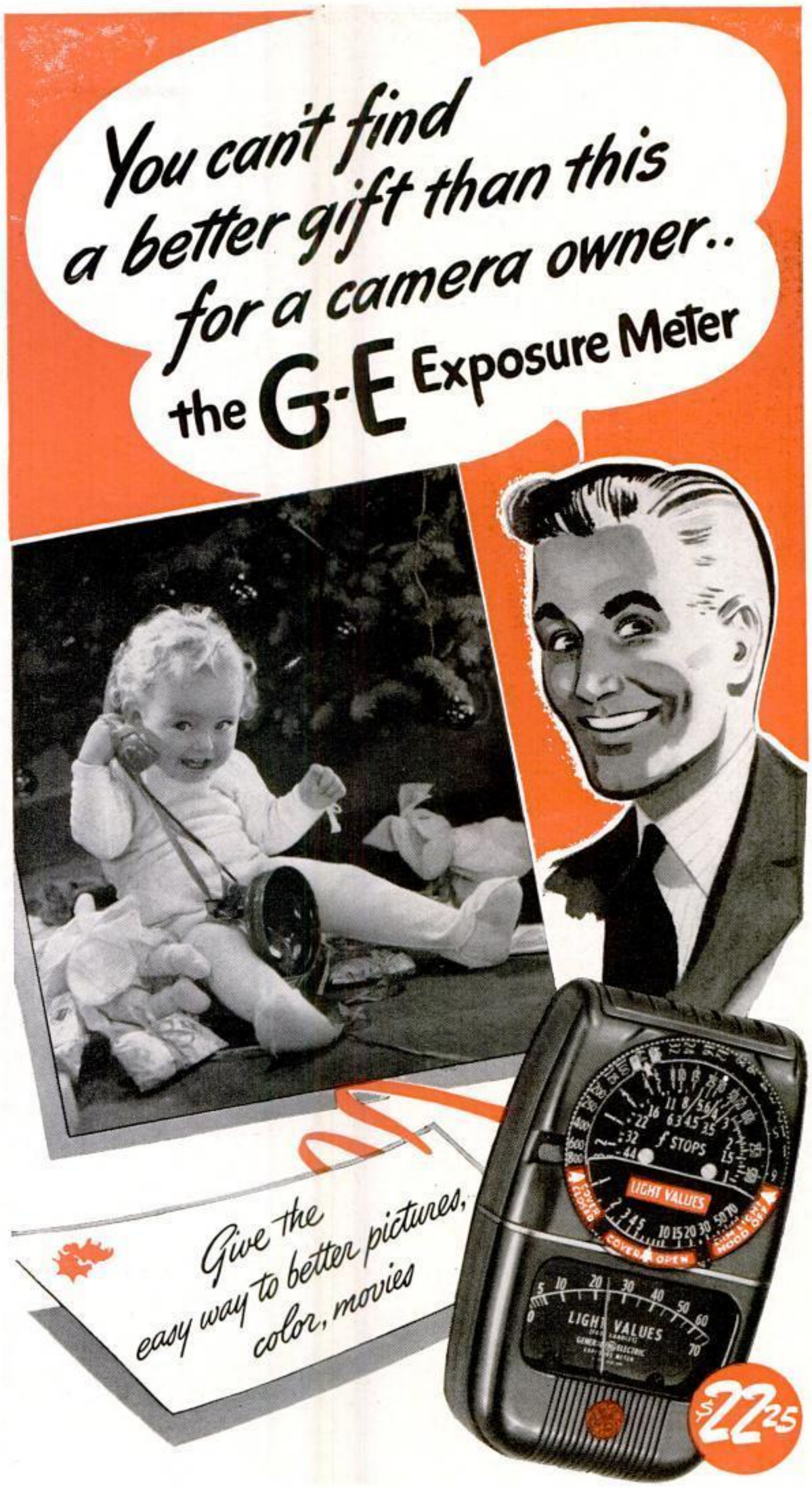
The clothes modeled in the pictures below are the latest in afternoon and evening dress for the sartorially perfect cowboy. Their wearer and designer is Bill Williams, whom I consider the best-dressed cowboy in the West.

He is at present a private first class at Biggs Field, El Paso. The clothes are sold by Neiman-Marcus, Dallas specialty store, at prices typified by tags of $20 for the Stetson hat, $40 for the boots.

W. THOMAS McGRATH
El Paso, Texas







Gets perfect pictures. Watch his face light up when he sees his G-E exposure meter! For he knows that there's thrilling color and sparkling movies and stills ahead. He knows that his G-E will help him "set" his camera *right* every time.

Saves on film because with every exposure correct there's no need to miss a picture.

One hand operates it and extra large figures and single light scale make it easy to read.

Sharply directional. The G-E gives positive protection against loss of shadow details—no pickup of excess light from foreground snow or brilliant sky.

It's 3 meters in one for better pictures; for easier enlarging; for quicker balancing of light, so important in color pictures.

See it at good photo dealers everywhere.



The G-E gives you thrilling color every time because of its amazing accuracy. That's why it's the choice of color photographers like Ivan Dmitri.

Give a **G-E EXPOSURE METER** *and give* **3 METERS IN ONE**

GENERAL ELECTRIC
606-89-6234

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Don't take chances!

PERSPIRATION IS ACID... IT KILLS STOCKING LIFE!

NEW IVORY SNOW care combats this danger!
Read how women get up to 1/5 more wear!

• Experts now bring out a danger to stockings rarely suspected: It is *acid perspiration.* The normal human body gives off over a pint of it *daily.* Winter and summer this acid perspiration eats away stocking life . . . helps pave the way for runs!

Today more than ever you want longer stocking wear—so avoid carelessness in washing, and turn to this daily Ivory Snow care. Ivory Snow is something new in "fine fabrics" soaps. Ivory-pure. Made in "snowdrop" form, to give rich suds in 3 seconds, even in *cool* water.

Tests show that daily Ivory Snow care helps bring up to 1/5 longer wear! Undies, too, look and last far better under Ivory Snow's gentle, safe care.



ONLY IVORY SNOW COMBINES BOTH THESE ADVANTAGES

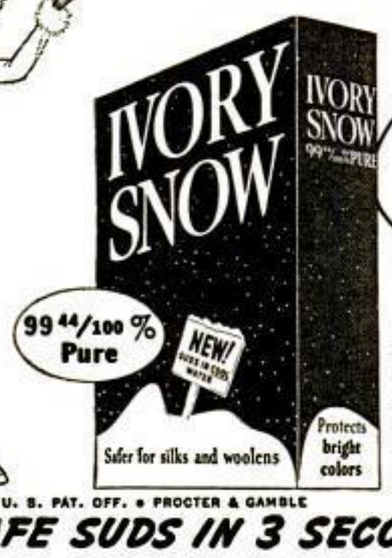
1. Pure soap made under a patented process in tiny "snowdrop" form . . .

2. Dissolves like a flash in safe *cool* water—four times faster by actual test than any soap of its kind!

No wonder Ivory Snow acts so surely against acid perspiration, to help stockings last longer.

"To save you money, save you wear, Use my simple daily care!"
—Miss Ivory Snow





WHO WANTS DAINTY HANDS IN 12 DAYS? DO AS I DID—CHANGE TO PURE IVORY SNOW FOR DISHES. CUTS GREASE AS FAST AS "HEAVY DUTY" SOAPS!



If your hands are red and rough from using one of the 5 leading packaged soaps—change to pure Ivory Snow for dishwashing. In just 12 days you'll get softer hands!

TRADEMARK REG. U. S. PAT. OFF. • PROCTER & GAMBLE

RICH, SAFE SUDS IN 3 SECONDS—EVEN IN COOL WATER

PICTURES TO THE EDITORS

(continued)

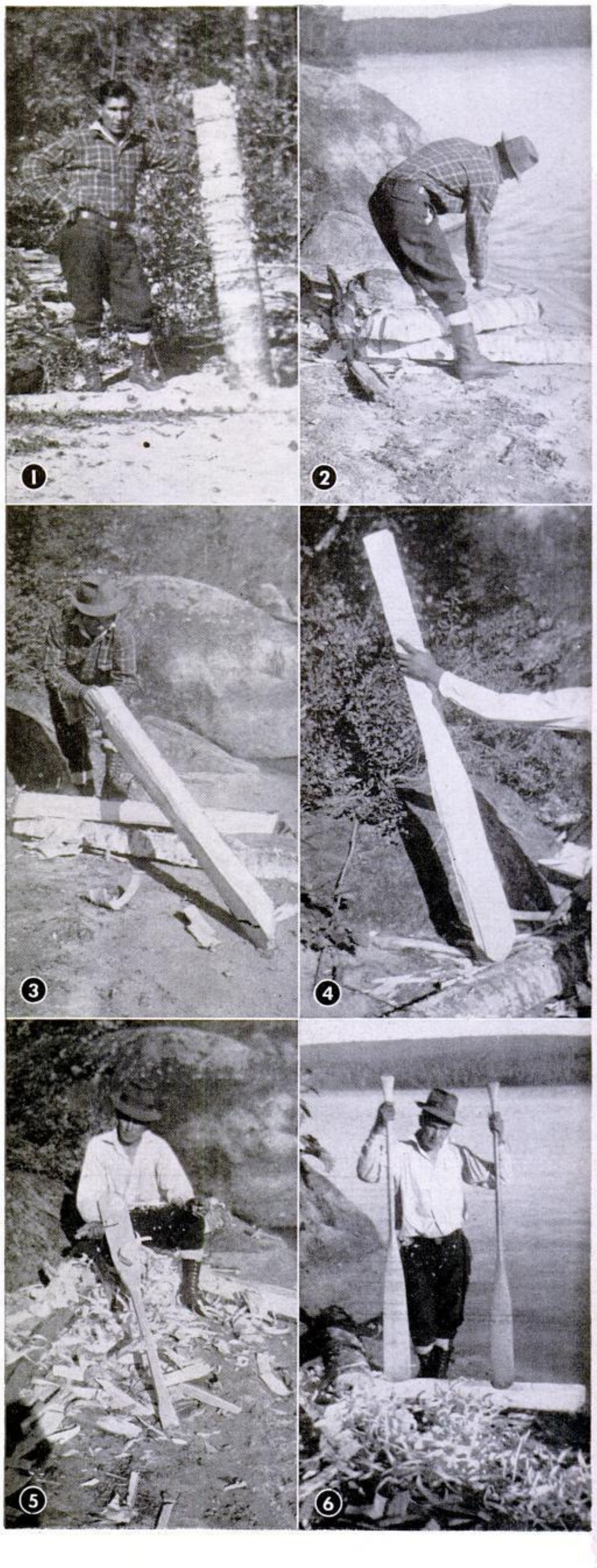
SIXTY-MINUTE PADDLE

Sirs:

On a canoe trip down Quebec's Kapitachuan River, I lost my paddle in some rapids. My resourceful Indian companion, an Algonquin named Tuwassi, fashioned another paddle from a 200-lb. log within an hour. He used only his knife and a small ax.

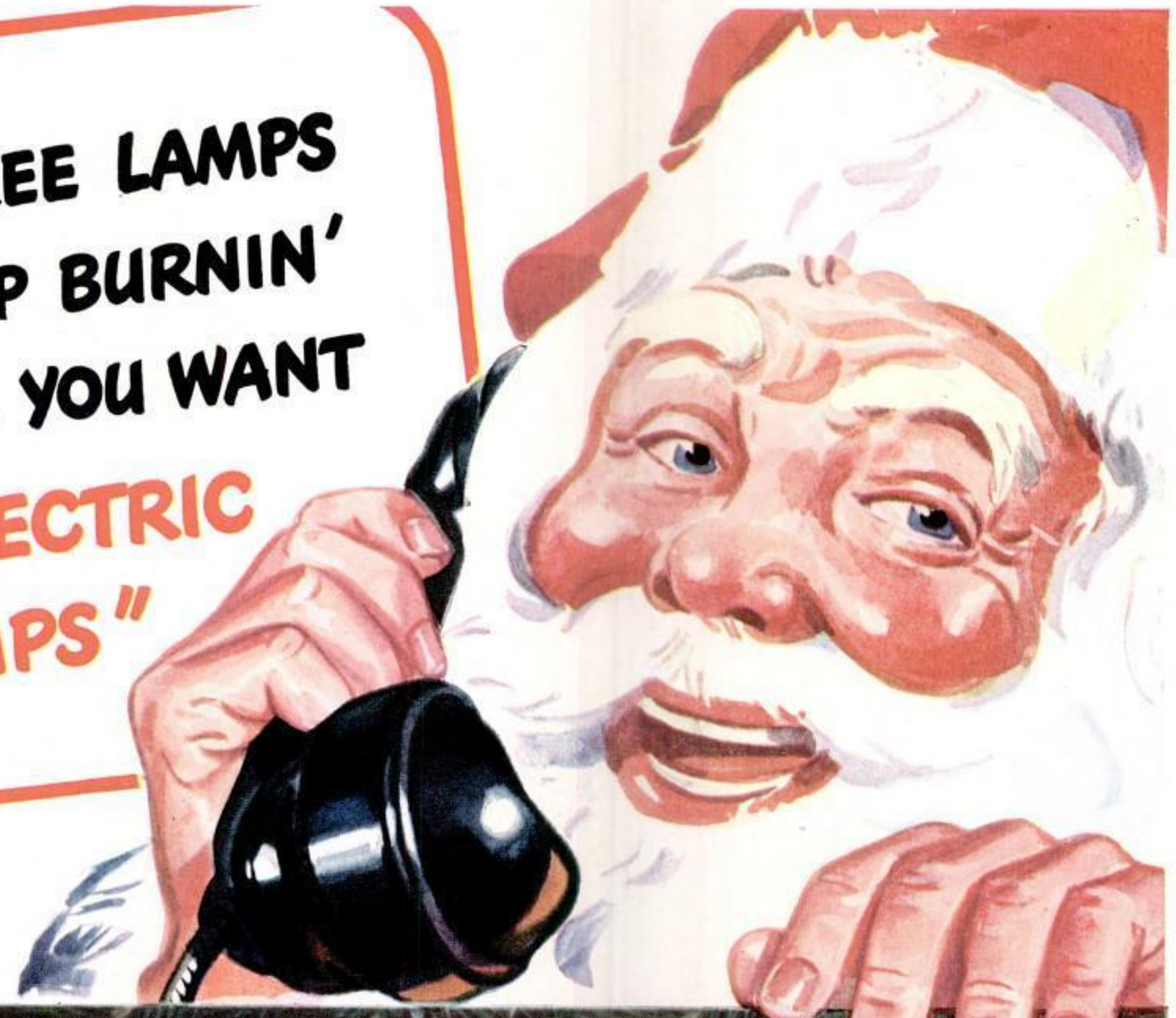
In the successive photographs below, Tuwassi is pictured while (1) holding the log, (2) splitting it, (3) inspecting it for rot, (4) examining the rough-hewn section (note removal of outer shirt), (5) carving the paddle into final shape and (6) displaying the finished product (*right hand*) together with our other paddle, a standard factory-made implement.

JOHN DURANT
New York, N.Y.



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"CHRISTMAS TREE LAMPS THAT DON'T KEEP BURNIN' OUT? — SONNY, YOU WANT GENERAL ELECTRIC MAZDA LAMPS"



'Twas the night before Christmas when all through the house, you could hear poor Papa yelling, "Our Christmas tree lamps won't light again!"

' ' '

This year start *your* tree off right . . . so you'll enjoy it. Start off with bright new G-E MAZDA Christmas Tree lamps in every socket. Or better still, get some of the new "multiple" light strings . . . and avoid hunting burned-out bulbs. Buy them at leading stores everywhere. For best results . . . and a brighter, happier Christmas, insist on strings of tree lights, or other decorations, using only bulbs marked "G-E MAZDA" . . . they're *made to stay brighter longer!*

Remember General Electric makes only the lamp bulbs.

"MULTIPLE" XMAS TREE LAMPS
Switch to the new "multiple" light strings and save time hunting burned-out bulbs. When one lamp goes out, others continue to sparkle.
2 lamps for only 15¢

"STANDARD" PINE CONE SHAPE
For series strings only . . . 8 lamps to a series. Come in red, blue, green, orange and white. Be sure to have spares in all colors.
only 5¢ each

LUMINOUS CANDLES
They gleam with rich color from tip to base... and add to the sparkle and beauty of any tree. For series strings . . .
2 for 15¢

"MULTIPLE" LUMINOUS CANDLES
They make your tree glow with rich color, bring you freedom from hunting burned-out bulbs. Use only on "multiple" strings.
only 10¢ each

"MULTIPLE" OUTDOOR LAMPS
Sturdy and colorful with the added advantage of "multiple" burning. No "blackouts" of holiday joy . . . no hunting "dead" bulbs.
only 10¢ each

Made to **STAY BRIGHTER LONGER**

G-E MAZDA LAMPS

GENERAL ELECTRIC

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TIME INC. ARCHIVES



An Outboard Steeplechase at Cypress Gardens, Winter Haven, Florida

HE Doubles in Danger!

STUNT ACE MALCOLM POPE, WHO DOUBLES FOR THE STARS, CRASHED THE MOVIES AT 60 MILES AN HOUR





40 Feet through the Air From an Inclined Platform Jump



The Last Hazard!





R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

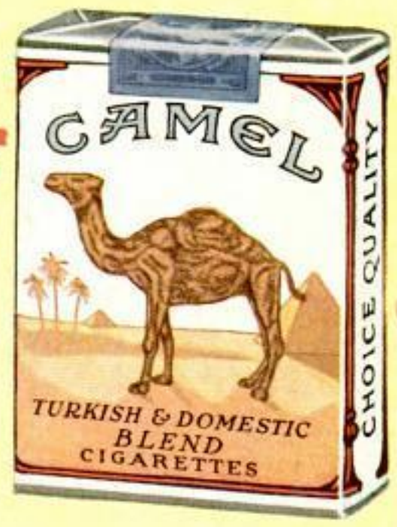
The *smoke* of slower-burning Camels contains

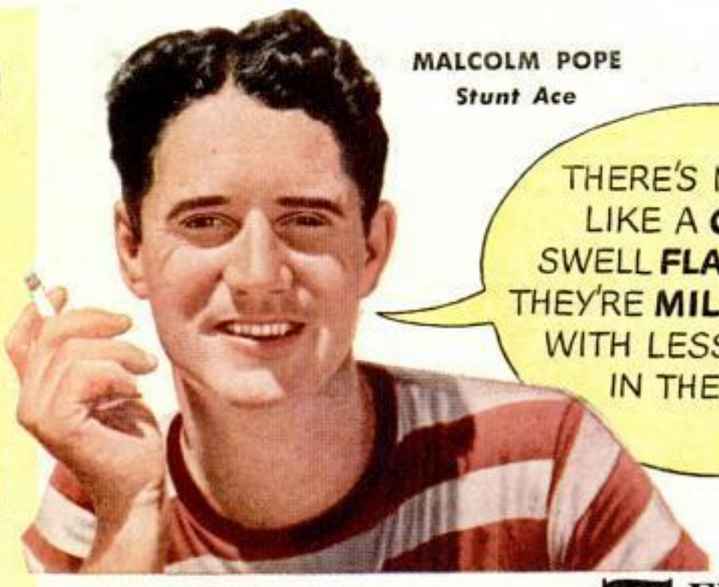
28% LESS NICOTINE

than the average of the 4 other largest-selling brands tested—less than any of them—according to independent scientific tests *of the smoke itself!* The *smoke's* the thing!

CAMEL

THE CIGARETTE OF COSTLIER TOBACCOS





BY BURNING 25% SLOWER than the average of the 4 other largest-selling brands tested—slower than any of them—Camels also give you a smoking *plus* equal, on the average, to **5 EXTRA SMOKES PER PACK!**

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